

Quarterly Report
on
Public Works Programme
for
October – December 2022

Quarterly Report on the Public Works Programme

The Quarterly Report on the Public Works Programme (PWP) provides information on the progress of selected “high impact Category A” projects.

Projects included in this report are selected having regard to their forecast total annual expenditure, cost, importance, complexity and other factors which suggest that they may be of interest to the public. Key information including project estimates, start and completion dates as approved by the Finance Committee, together with a Note on Progress, is given for each project.

In the quarter ending September 2022, two projects were completed. These projects are no longer included in this report. In the quarter ending December 2022, another 15 projects were completed. These projects will be excluded from the next Quarterly Report onwards. Lists of the above-mentioned projects are shown in the Appendix.

Development Bureau
The Government of the
Hong Kong Special Administrative Region
June 2023

Director of Administration

PWP 2022 Q4 Report

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3141KA	Expansion of the Legislative Council Complex	Approved by F.C. Current forecast	1,562.600 1,562.600	Q2/2022 06/2022	Q2/2026 Q2/2026	Works were about 2% completed. Design coordination, site preparation and demolition works were in progress.

Secretary for
Commerce and Economic Development

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3023PP	Reprovisioning of the Hongkong Post's Headquarters	Approved by F.C. Current forecast	1,600.900 1,600.900	Q3/2018 04/2019	Q1/2022 Q1/2023	<p>Works were about 95% completed. Curtain wall installation, building services, internal finishes and external works were in progress.</p> <p>Project programme was revised because of longer time required for funding approval. Completion date was further revised because of the effect of COVID-19 pandemic.</p>

Secretary for
Culture, Sports and Tourism

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3058RG	District Library and Residential Care Home for the Elderly in the Joint User Complex at Lei King Road	Approved by F.C. Current forecast	673.600 673.600	Q4/2019 12/2020	Q4/2022 Q2/2024	Works were about 21% completed. Piling works were in progress. Project programme was revised because of longer time required for funding approval. Completion date was further revised because of the effect of COVID-19 pandemic.
3060RE	Construction of the East Kowloon Cultural Centre	Approved by F.C. Current forecast	4,175.700 4,175.700	Q1/2016 01/2016	Q3/2020 Q1/2023	Works were about 98% completed. Internal finishes, building services and external works were in progress. Project completion date was revised because of unforeseen underground condition during excavation and lateral support works for basement construction, and the effect of COVID-19 pandemic.
3175BF	Relocation of supporting operational facilities of Tsim Sha Tsui Fire Station Complex, Fire Services Club and other fire services accommodations to To Wah Road, Kowloon	Approved by F.C. Current forecast	981.200 981.200	Q3/2019 04/2020	Q3/2022 Q4/2023	Works were about 36% completed. Superstructure construction was in progress. Project programme was revised because of longer time required for funding approval. Completion date was further revised because of the settlement issue of adjacent MTR structures.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3275RS	Provision of heated pool at the Morse Park Swimming Pool Complex, Wong Tai Sin	Approved by F.C. Current forecast	576.500 576.500	Q4/2018 12/2018	Q2/2022 11/2022	Works were substantially completed in November 2022. Project completion date was revised because of the effect of COVID-19 pandemic.
3280RS	Redevelopment of Kowloon Tsai Swimming Pool Complex	Approved by F.C. Current forecast	1,120.000 1,120.000	Q4/2020 12/2020	Q2/2024 Q2/2024	Works were about 29% completed. Superstructure construction, substructure and external works were in progress.
3288RS	Swimming pool complex and open space in Area 107, Tin Shui Wai	Approved by F.C. Current forecast	1,336.000 1,336.000	Q4/2018 01/2019	Q3/2022 Q1/2023	Works were about 79% completed. Superstructure construction was completed. Internal finishes and building services works were in progress. Project completion date was revised because of the effect of COVID-19 pandemic.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3467RO	Station Square at Kai Tak	Approved by F.C.	1,651.500	Q4/2018	Phased completion from Q4/2020 to Q4/2022	Phase 1 works were substantially completed in June 2021. Phase 2 works were about 95% completed. Internal finishing, building services and external works were in progress
		Current forecast	1,651.500	02/2019	Phased completion from 06/2021 to Q1/2023	Project programme for Phase 1 works was revised because of longer time required for tendering process for the works contract. Completion date was further revised because of the effect of COVID-19 pandemic.
7763CL	Integrated Basement for West Kowloon Cultural District – remaining works	Approved by F.C.	17,472.300	mid-2019	2027	The project commenced in May 2020 following the FC approval on 20 March 2020.
		Current forecast	17,472.300	05/2020	2029	The foundation works contract for the integrated basement in Zone 2A of the West Kowloon Cultural District (WKCD) commenced on 8 May 2020 and the works were about substantially completed in November 2022. The piling works contract for the integrated basement in Zones 2B and 2C of the WKCD commenced on 23 July 2021 and the works were about 59.9% completed.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7815CL	Integrated Basement for West Kowloon Cultural District – third stage of construction works	Approved by F.C. Current forecast	3,178.400 3,178.400	Q1/2018 01/2018	2022 12/2022	<p>As WKCD Authority will adopt “parallel approach” to deliver the Integrated Basement in Zone 2 through the future Build-Operate-Transfer (BOT) Developer of the topside development, the project completion date was updated to tie in with the latest implementation programme of the Integrated Basement which was in tandem with the topside developments in Zone 2.</p> <p>The two works contracts commenced on 8 January 2018 and 23 November 2018 respectively. The works under this project was substantially completed in December 2022.</p>
3272RS	Kai Tak Sports Park – construction works	Approved by F.C. Current forecast	31,898.000 31,898.000	Q4/2018 02/2019	2023 Q4/2024	<p>Works were about 53% completed. Superstructure works were in progress. The works slippage was mainly due to COVID-19 pandemic and inclement weather.</p>

Secretary of Development

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3129KA	Water Supplies Department Headquarters with Hong Kong and Islands Regional Office and Correctional Services Department Headquarters Building in Chai Wan	Approved by F.C. Current forecast	3,252.800 3,252.800	Q4/2020 02/2021	Q4/2024 Q1/2025	The project was approved by F.C. in December 2020. Contract commenced in February 2021. Works were about 13% completed. Pile cap and basement construction were in progress.
3133KA	Drainage Services Department Office Building at Cheung Sha Wan Sewage Pumping Station	Approved by F.C. Current forecast	2,157.500 2,157.500	Q4/2020 01/2021	Q4/2024 Q1/2025	The project was approved by F.C. in December 2020. Contract commenced in January 2021. Works were about 14% completed. Pile cap and basement construction were in progress.
3185GK	Reprovisioning of Transport Department's vehicle examination centres at Tsing Yi	Approved by F.C. Current forecast	2,862.700 2,862.700	Q1/2018 03/2018	Q1/2023 Q1/2023	Construction of the new vehicle examination centre (VEC) at Tsing Yi was substantially completed in November 2020. Demolition of the three existing VECs, two at Kowloon Bay and one at To Kwa Wan was substantially completed and only one site, i.e. New Kowloon Bay VEC, required land decontamination work after demolition, which was in progress.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
5729CL	Disposal of Contaminated Sediment – Dredging, Management and Capping of Sediment Disposal Facility at Sha Chau	Approved by F.C. Current forecast	770.900 664.040	06/2009 06/2009	07/2016 end 2029	<p>The project estimate was lower than the Finance Committee's approved project estimate because of lower tender prices of the works contract and the sampling and testing contracts.</p> <p>The project completion date was extended beyond July 2016 mainly due to the time-limited switching of sediment disposal facility from the East of Sha Chau (ESC) to the South of The Brothers (SB) between Q3 of 2013 and Q1 of 2016 and reduction in disposal demand due to the use of non-dredged construction methods in recent marine works and reclamation projects. Based on the latest estimate, it was anticipated that the remaining disposal facility at the ESC would be exhausted by 2027 and the subsequent capping would be completed by 2029.</p>
7677CL	Wan Chai development phase II, engineering works	Approved by F.C. Current forecast	4,642.700 4,642.700	12/2009 12/2009	06/2017 Phased completion from Q3/2013 to Q2/2026	<p>Four works contracts were substantially completed in phases from Q3 of 2013 to Q4 of 2018.</p> <p>Part of the WDII road works entrusted to HyD for implementation under the Shatin to Central Link (SCL) project was substantially completed in end 2022.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7747CL	Advance site formation and engineering infrastructure works at Kwu Tung North new development area and Fanling North new development area	Approved by F.C. Current forecast	17,320.100 12,550.800	Q3/2019 09/2019	end 2026 end 2026	<p>The fifth works contract for construction of the landscaped deck to the west of Hong Kong Convention and Exhibition Centre and associated road works commenced in July 2020. Foundation construction was underway with about 55% of the piles completed.</p> <p>The construction of other pedestrian connections and associated road works would be implemented along with the future development of the Wan Chai North-harbourfront. The estimated completion date of 2026 would be reviewed having regard to the progress of the development in the area.</p> <p>The Project obtained funding approval from Finance Committee on 3 May 2019. All works contracts had commenced. Site formation and engineering infrastructure works for the new development area were in progress. As at end December 2022, works were about 38.9% completed. The project estimate was revised taking into account the awarded tender prices of all contracts. One of the contracts was substantially completed in March 2022.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7793CL	Site formation and infrastructure works for Police facilities in Kong Nga Po	Approved by F.C.	1,913.000	Q2/2019	Phased completion from end 2021 to end 2022	<p>The Project obtained funding approval from Finance Committee on 3 May 2019. The project start and completion dates were updated to reflect the actual tendering programme and the impacts due to COVID-19 pandemic and uncharted utilities. As at end December 2022, works were about 91.6% completed. The formed Kong Nga Po site was handed over to ArchSD for building works in December 2022.</p> <p>The project estimate was revised taking into consideration the awarded tender prices of the works contract.</p>
		Current forecast	1,212.990	11/2019	Phased completion from Q2/2022 to Q2/2023	
7799CL	Tung Chung New Town Extension – detailed design and site investigation	Approved by F.C. Current forecast	729.500 638.360	06/2016 06/2016	2021 2024	<p>The proposed road and sewerage works for Tung Chung East (TCE) were gazetted in May 2018 and authorised in September 2018. The proposed road and sewerage works for Tung Chung West (TCW) at Ma Wan Chung and Tung Chung Valley were authorized by the ExCo in August 2020 and October 2020 respectively.</p> <p>The Finance Committee approved the funding for the site formation and infrastructure works (the First Phase development) of Tung Chung New Town Extension on 19 February 2021.</p> <p>The site formation and infrastructure works of TCW commenced in May 2021 and infrastructure works for TCE commenced in June 2021.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7803CL	Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works	Approved by F.C. Current forecast	7,693.400 7,693.400	11/2016 12/2016	02/2022 Phased completion from 02/2022 to mid-2023	<p>Detailed design for the remaining TCE infrastructure works and TCW site formation and infrastructure works were in progress.</p> <p>The project estimate was updated based on the latest estimate. The project completion date was revised due to the extra time required for land resumption and clearance.</p> <p>Longer time was required for complicated financial capability checking in tender assessment for the main works contract for the site formation at Anderson Road Quarry (ARQ).</p> <p>The site formation and associated infrastructure works commenced in December 2016.</p> <p>Tseung Kwan O (TKO) bound and Kowloon bound of bus-to-bus interchange (BBI) at the toll plaza of TKO Tunnel were opened on 2 October 2020 and 1 May 2021 respectively.</p> <p>Pedestrian Connectivity Facility E12, connecting Kowloon bound of BBI at the toll plaza of TKO Tunnel and Lin Tak Road, was opened on 14 August 2021.</p> <p>Pedestrian Connectivity Facility E1, connecting Hiu Ming Street and Hiu Kwong Street, was opened on 25 January 2022.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
						<p>The site formation works of ARQ was completed in February 2022 with all housing and G/IC sites handed over to Lands Department by end February 2022 as scheduled.</p> <p>The works under 7803CL were completed in phases starting from February 2022. The work done as at December 2022 was about 94.0%. Taking also into account the additional site formation works lately required to cope with the “single site, multiple use” initiative so as to give the Joint-user Complex at Site G2 an early start, the project completion date was revised to mid-2023. Nonetheless, all the supporting infrastructure works to meet the first population intake date (currently in Q1 of 2023) have been substantially completed.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7804CL	Site formation and infrastructure works for development at Kam Tin South, Yuen Long – advance works	Approved by F.C. Current forecast	697.000 652.160	mid 2018 07/2018	end 2021 12/2022	<p>The contract commenced on 25 July 2018 and works had been substantially completed. In December 2022, taking into account the effects of inclement weather, the impact of the COVID-19 pandemic, unforeseen underground conditions and longer-than-expected utilities diversion on the construction progress.</p> <p>The project estimate was adjusted to reflect price fluctuation and the additional expenditure due to various reasons, such as unforeseen ground conditions.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7814CL	Tung Chung New Town Extension – Reclamation and Advance Works	Approved by F.C. Current forecast	20,210.000 20,210.000	end 2017 end 2017	end 2023 Q1/2023	<p>The reclamation contract commenced on 29 December 2017. Filling works for the reclamation commenced in mid July 2018 and deposition of public fill materials started in end October 2018.</p> <p>The first parcel of land was handed over to Housing Department for housing development in March 2020. The second parcel of land was handed over to Lands Department in June 2020 for land sale. The third parcel of land was made available for public housing development in October 2020. Two land parcels were handed over to Lands Department for subsequent handover to MTRCL for commercial and residential development in March 2022 and for the proposed TCE Station in July 2022 respectively. Another two land parcels were handed over to Lands Department in August/September 2022 for temporary construction material storage purpose as requested by DEVB/CIC.</p> <p>The earth filling works were completed in August 2022 while the works were anticipated to be substantially completed in January 2023.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7818CL	Development of Anderson Road Quarry site – road improvement and infrastructure works	Approved by F.C. Current forecast	2,654.400 2,654.400	early 2018 05/2018	end 2023 Phased completion of road works from end 2023 to end 2024	<p>The first works contract commenced in May 2018 and was about 78% completed.</p> <p>The escalator system E8 connecting Hiu Kwong Street and Hiu Ming Street was commissioned on 1 September 2021.</p> <p>Pedestrian Connectivity Facility E11, connecting Tseung Kwan O (TKO) bound of bus-bus-interchange at the toll plaza of TKO Tunnel, was opened on 30 December 2022.</p> <p>For road improvement works at Clear Water Bay Road, they are targeted for substantial completion by end 2023 as scheduled. The progress of road improvement works at New Clear Water Bay Road and Lin Tak Road was affected due to lower-than-expected rock founding level and unexpected hard rock condition respectively. Mitigation measures had been actively pursued. These remaining road improvement works are targeted for substantial completion by end 2024.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7823CL	Development of Lok Ma Chau Loop – Main Works Package 1 – detailed design and site investigation	Approved by F.C. Current forecast	268.300 268.300	mid 2018 09/2018	early 2023 late 2024	<p>The consultancy commenced on 14 September 2018. Contracts 1, 2 and 3 commenced on 15 July 2021, 15 September 2021 and 28 February 2022 respectively.</p> <p>7823CL comprises the detailed design, site investigation, preparation of tender documents and assessment of tenders for the site formation and infrastructure works of Main Works Package 1. The site formation and infrastructure works of Main Works Package 1 (MWP1) are funded by 7856CL.</p> <p>The revised completion date of 7823CL is to reflect the interface arrangement (i.e. site formation works of the Lok Ma Chau Loop Fresh Water Service Reservoir (LMCL FWSR) being undertaken by the interfacing project) of the commencement of LMCL FWSR construction works under 7856CL, and thus the completion of tendering of the fresh water service reservoir could only take place in late 2024 to tie in with the completion of relevant site formation works of the interfacing project.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7859CL	Tung Chung New Town Extension – site formation and infrastructure works	Approved by F.C. Current forecast	19,332.900 10,326.900	Q1/2021 05/2021	Q1/2028 Q4/2027	<p>The project covers the first phase of site formation works in Tung Chung West (TCW) and infrastructure works for both Tung Chung East (TCE) and TCW.</p> <p>Six out of seven infrastructure works contracts (four for TCE and two for TCW) were awarded. Works commenced in May 2021 and were about 19.6% completed as at end December 2022. The remaining contract for TCE would be tendered in 2023 following the land formation by reclamation.</p> <p>The project estimate was updated taking into consideration the awarded tender prices of the works contracts.</p>
7873TH	Boardwalk underneath the Island Eastern Corridor	Approved by F.C. Current forecast	1,682.000 1,682.000	Q4/2021 12/2021	In phases between 2024 and 2025 In phases between Q4/2024 and Q4/2025	<p>The Project obtained funding approval from Finance Committee on 8 October 2021. The works contract commenced on 31 December 2021 and was about 24.1% completed. Pile cap repair works, marine piling works and manufacturing of the boardwalk deck and demolition works for existing dolphins were in progress. Engagement of the remaining sub-contracts including construction of movable bridges and various architectural works for the project, were on-going.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7797CL	Kai Tak development – stages 3B and 5A infrastructure works at former north apron area	Approved by F.C. Current forecast	2,152.800 1,852.800	09/2016 09/2016	End 2020 Phased completion from Q4/2020 to 10/2022	Works were substantially completed in October 2022. The project estimate was adjusted downward to reflect the awarded tender prices.
7822CL	Kai Tak development – infrastructure for developments at the former runway and south apron	Approved by F.C. Current forecast	2,874.700 2,874.700	early 2019 03/2019	2023 Road D3(MPS) 12/2022 Remaining (Open space and Pumping Stations) mid-2024	Works commenced in phases from March 2019 and were about 79.2% completed. Road D3 (Metro Park Section (MPS) and noise barriers were substantially completed. Construction of pumping stations, open space, and the elevated landscape deck and elevated walkway forming part of the open space were in progress.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7832CL	Kai Tak development - stage 5B infrastructure works at the former north apron area	Approved by F.C.	1,720.100	In the second half of 2019	In phases from 2023 to 2025	<p>The works were constrained by various interfacing contracts such as Kai Tak Sports Park, Central Kowloon Route and the District Cooling System (DCS) contract. Given that DCS pipes were being installed extensively within the site, some project works could only proceed after completion of the DCS works at a deeper level. However, late commencement of the DCS contract by about one year due to delayed funding approval by FC in 2020 had delayed the DCS works and subsequently affected the project works above the DCS pipes. Notwithstanding such challenges, Road D3 (MPS) (the majority part of the project) was opened to public on 31 December 2022 as scheduled. The remaining works, including the pumping stations and the open space, affected by the interface disruption of DCS works would be completed by mid-2024 tentatively. Mitigation measures had been implemented including re-sequencing of the works to minimise the delay.</p> <p>The works contract commenced in July 2020 and were about 41.6% completed. Construction of elevated walkway, pedestrian subway and road in the former north apron, and modification/renovation of existing subway were in progress.</p>
		Current forecast	1,720.100	07/2020	In phases from 2023 to 2025	

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4171CD	Revitalization of Tsui Ping River	Approved by F.C. Current forecast	1,342.200 1,342.200	Q3/2020 07/2020	Q3/2024 Q3/2024	Works were about 52.7% completed. Construction of nullah bed and wall at Zones A and B, modification of the existing footbridge, ground improvement works and piling works at Zone C and construction of cross-river walkway, architectural and general civil works at Zone D were in progress.
4108CD	West Kowloon drainage improvement – inter-reservoirs transfer scheme	Approved by F.C. Current forecast	1,222.000 1,222.000	Q1/2019 02/2019	Q4/2022 10/2022	The works were substantially completed on 31 October 2022.
4172CD	Rehabilitation of underground stormwater drains – remaining works	Approved by F.C. Current forecast	702.700 702.700	Q1/2021 06/2021	Q1/2026 Q4/2025	Rehabilitation works were in progress and were about 30% completed.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4186CD	Rehabilitation of underground stormwater drains – stage 2	Approved by F.C. Current forecast	515.100 515.100	Q1/2020 09/2020	Q3/2024 Q1/2025	Works were about 46% completed under the Contract. Condition survey and rehabilitation works were in progress. Project programme was revised because of longer time required for funding approval.
4445DS	Relocation of Sha Tin Sewage Treatment Works to caverns – main caverns construction and upstream sewerage works	Approved by F.C. Current forecast	14,076.500 14,076.500	Q1/2021 07/2021	2031 2031	The project comprises main caverns construction and upstream sewerage works. For main caverns construction (Contract No. DC/2020/05) which commenced in July 2021, blasting works of caverns complex were in progress and the progress of works with 15.2% completed was on schedule. For the upstream sewerage works, the first contract (Contract No. DC/2021/07) commenced on 18 May 2022, and the progress of works with 25.2% completed was on schedule.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
9055WS	Reclaimed water supply to Sheung Shui and Fanling	Approved by F.C. Current forecast	1,255.500 1,255.500	Q2/2021 07/2021	Q4/2026 Q3/2026	<p>The project commenced on 30 July 2021. Construction of the Shek Wu Hui Water Reclamation Plant (SWHWRP) was in progress. As at end of December 2022, construction of structures below ground level at the Reclaimed Water Pumping Station and construction of walls at the Hypo-chlorination Facility had been completed. Installation of prefabricated roof slab at both buildings was in progress. It was the target to have the SWHWRP ready for commissioning by Q4 of 2023 / Q1 of 2024.</p> <p>Laying of water mains in Sheung Shui and Fanling areas and associated water main connection works were in progress. About 1 920m of water mains (out of a total of 25.2km) have been laid as at December 2022.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
9181WF	In-situ reprovisioning of Sha Tin water treatment works (South Works) – main works	Approved by F.C. Current forecast	7,019.900 7,019.900	Q4/2019 08/2020	Q2/2025 Q1/2026	<p>As at 31 December 2022, about 30% of the construction works had been completed. Demolition of the disused structures had been completed. Excavation and construction for the foundation of the future treatment facilities and administration building were in progress.</p> <p>The project start and completion dates were updated to reflect the date of Finance Committee approval on 10 July 2020.</p>
9196WC	Implementation of Water Intelligent Network	Approved by F.C. Current forecast	1,236.000 1,236.000	Q3/2019 08/2020	end 2023 Q1/2025	<p>The project comprises two works contracts, namely Contract No. 13/WSD/19 and 9/WSD/20, which commenced on 3 August 2020 and 20 October 2020 respectively. Construction of pressure management and district metering installations were in progress and were about 34% and 27% completed for the works under 13/WSD/19 and 9/WSD/20 respectively.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
9202WC	Implementation of Water Intelligent Network, stage 2	Approved by F.C. Current forecast	655.400 655.400	Q3/2018 10/2018	Q3/2022 Q3/2023	<p>The project start and completion dates were updated to reflect the date of Finance Committee approval on 10 July 2020.</p> <p>Though mitigation measures had been introduced to improve the progress, the delay due to the COVID-19 pandemic could not be recouped fully. After review, it is necessary to defer the completion dates of the above two contracts to Q1 of 2025.</p> <p>Contract No. 2/WSD/18 commenced on 31 October 2018. Construction of pressure management and district metering installations was in progress and was about 78% completed.</p> <p>The project completion date was revised to Q3 of 2023 taking into account the impact of the 1st to 5th waves of COVID-19 pandemic on construction progress.</p>
9355WF	Water supply to new housing developments in Sheung Shui and Fanling	Approved by F.C. Current forecast	1,699.700 1,699.700	Q3/2018 09/2018	Q1/2024 Q2/2024	<p>The project comprising three works contracts, namely Contract Nos. 3/WSD/18, 4/WSD/18 and 5/WSD/18, commenced on 26 September 2018, 20 March 2019 and 2 July 2019 respectively.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
9357WF	Design and construction for first stage of desalination plant at Tseung Kwan O – main works	Approved by F.C. Current forecast	7,727.500 7,727.500	Q2/2019 12/2019	Q4/2022 Q3/2023	<p>Contract No. 3/WSD/18: Works were about 88% completed. Structural works of Tong Hang No.3 Fresh Water Service Reservoir completed and mainlaying works were in progress.</p> <p>Contract No. 4/WSD/18: Works were substantially completed on 9 December 2021.</p> <p>Contract No. 5/WSD/18: Works were about 84% completed. Mainlaying for reclaimed water in Sheung Shui and Fanling areas was in progress. Project completion date was revised accounting for the impact of the COVID-19 pandemic on the construction progress.</p> <p>As at 31 December 2022, about 74.82% of the construction works have been completed. The civil & structure works of the plant has been substantially completed while the E&M works were in progress.</p> <p>The current completion date was updated based on the latest assessment on the impact of the 5th wave of COVID-19.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
9363WF	Upgrading of disinfection facilities in water treatment works	Approved by F.C. Current forecast	875.600 875.600	Q4/2017 03/2018	Q1/2021 Q1/2023	<p>The works contracts commenced on 16 March 2018 and were targeted for completion in Q1 of 2023. The overall works progress was about 97% completed.</p> <p>Installation work of all the 1st trains and 2nd trains of on-site chlorine generation (OSCG) plants was completed for the 10 water treatment works.</p> <p>FSD's approvals for DG and Manufacture Licenses for all the 1st trains and 2nd trains of the OSCG plants were received. Testing and commissioning (T&C) of all the 1st trains were completed while T&C of the 2nd trains were in progress for completion in January 2023.</p> <p>The delay of the project was due to unforeseen site constraints that affected the civil works progress, delay in receiving FSD's approvals as well as shortage of manpower for plant installation works as impacted by the COVID-19 pandemic.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
9364WF	Design and construction for first stage of desalination plant at Tseung Kwan O – mainlaying	Approved by F.C. Current forecast	720.500 720.500	Q4/2017 11/2017	Q2/2022 Q1/2023	<p>The main civil works Contract no. 13/WSD/16, commenced on 16 November 2017. The mainlaying works were in progress and were about 89% completed.</p> <p>The anticipated project completion date was revised from Q2 of 2022 to Q1 of 2023. The delay was mainly due to unforeseen ground condition and the impact of the COVID-19 pandemic.</p>
9368WF	Improvement to Dongjiang Water Mains P4 at Sheung Shui and Fanling	Approved by F.C. Current forecast	1,071.400 1,071.400	Q4/2019 09/2020	Q2/2022 Q1/2023	<p>The project commenced on 16 September 2020. As at 31 December 2022, mainlaying works under the original scope of works were about 99.9% completed. Final testing, connection works, reinstatement and other associated works were in progress.</p> <p>The project start and completion dates were updated to reflect the date of Finance Committee approval on 10 July 2020.</p>
9373WF	Siu Ho Wan Water Treatment Works extension - main works	Approved by F.C. Current forecast	3,694.900 3,694.900	Q2/2021 03/2022	Q4/2027 Q4/2027	<p>The project comprises two works contracts.</p> <p>Contract No. 7/WSD/21 commenced on 21 March 2022. Excavation works at Raw Water Booster Pumping Station and pre-boring works for sheet piles installation at Water Treatment Building were in progress. As at 31 December 2022, works were about 18% completed.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
						<p>Contract No. 18/WSD/21 commenced on 8 June 2022. Demolition of existing pumps and ground investigation in Pui O Raw Water Pumping Station and establishment of site office are in progress. Several liaison meetings with South Lantau Rural Committee (SLRC), village representatives and interface meetings with other utility stakeholders were held in the reporting period. As at 31 December 2022, works were about 6.3% completed.</p>

Secretary for
Environment and Ecology

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4344DS	Upgrading of Central and East Kowloon sewerage – phase 3	Approved by F.C. Current forecast	680.900 680.900	Q4/2018 01/2019	Q1/2024 Q1/2024	Works were about 81% completed. Sewerage upgrading works at 21 locations scattered at Wong Tai Sin, Tsim Sha Tsui and To Kwa Wan were in progress.
4380DS	Construction of dry weather flow interceptor at Cherry Street box culvert	Approved by F.C. Current forecast	664.600 664.600	Q3/2017 12/2017	Q4/2022 10/2022	The works were substantially completed on 29 October 2022.
4381DS	Construction of additional sewage rising main and rehabilitation of the existing sewage rising main between Tung Chung and Siu Ho Wan	Approved by F.C. Current forecast	1,362.600 1,362.600	Q3/2016 08/2016	end 2025 end 2025	The project consists of two works contracts. Works under the first works contract (DC/2016/01) for the construction works of the additional sewage rising main were completed. The second works contract for rehabilitation of the existing rising main commenced on 7 April 2022 and would be completed in Q4/2025. Works under the whole project were about 56% completed.
4388DS	Shek Wu Hui Effluent Polishing Plant	Approved by F.C. Current forecast	11,972.800 11,972.800	Q3/2019 09/2019	2034 2034	Works for the Main Works Stage 1 were about 52% completed. The major works include construction of structures for the proposed sewage treatment and sludge facilities and associated civil engineering works. Detailed design of the electrical and mechanical installations was in progress.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4389DS	Upgrading of West Kowloon and Tsuen Wan sewerage – phase 2	Approved by F.C. Current forecast	2,285.500 2,285.500	Q4/2019 07/2020	Q2/2026 Q2/2026	Works were about 32% completed. Sewerage upgrading works at 60 locations scattered at Tsuen Wan, Kwai Chung, Sham Shui Po, Kowloon City and Mong Kok were in progress.
4390DS	Rehabilitation of trunk sewers in Tuen Mun	Approved by F.C. Current forecast	806.600 806.600	Q4/2018 12/2018	Q1/2023 Q1/2023	Works were about 93% completed. Sewer rehabilitation works and sewer laying works were in the final stage.
4392DS	Expansion of Sha Tau Kok Sewage Treatment Works – phase 1	Approved by F.C. Current forecast	2,040.900 2,040.900	Q3/2018 11/2018	Q1/2025 Q1/2025	Works were about 72% completed. Construction of the diffuser of the submarine outfall was completed. Construction of the sub-structure and superstructure of the sewage treatment works were in progress.
4398DS	Sewerage to Lei Yue Mun Village	Approved by F.C. Current forecast	260.200 260.200	Q3/2018 11/2018	Q1/2023 Q1/2023	Works were about 96% completed. Sections 1 and 3 of the works were completed while section 2 of the works, which includes sewer laying, construction of twin rising mains, dry weather flow interceptors and pumping chambers were in progress.
4403DS	Upgrading of sewage pumping stations and sewerage along Ting Kok Road	Approved by F.C. Current forecast	847.300 847.300	Q3/2018 02/2019	Q4/2023 Q4/2023	Works were about 71% completed. Construction of the proposed Ting Kok Road sewage pumping station Nos. 5, 7 and 8, and sewerage works along Ting Kok Road were in progress.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4413DS	Enhancement works for Kwun Tong sewage pumping station	Approved by F.C. Current forecast	1,054.500 1,054.500	Q3/2017 12/2017	Q4/2022 12/2022	The works were substantially completed on 31 December 2022.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4417DS	Construction and rehabilitation of trunk sewage rising mains in Yuen Long	Approved by F.C. Current forecast	886.300 886.300	Q2/2021 08/2021	Q2/2026 Q2/2026	Works were about 25% completed. Trenchless works at Tin Fuk Road (from planter to the receiving pit besides Yiu Foo House), construction of working pits at Ping Shun Street and Tin Fuk Road near Shing Choi House and open trench works for main laying at Long Ping Road and Wang Lok Street were in progress.
4426DS	Rehabilitation of underground sewers stage 1	Approved by F.C. Current forecast	391.900 391.900	Q4/2018 01/2019	Q4/2022 12/2022	The works were substantially completed on 31 December 2022.
4431DS	Port Shelter sewerage, stage 2, package 3	Approved by F.C. Current forecast	515.900 515.900	Q4/2019 07/2020	Q4/2024 Q2/2025	Works were about 44% completed. Village sewer pipe laying in Wo Mei, Heung Chung, Kap Pin Long and Wong Chuk Wan, excavation and lateral support works for Wong Chuk Wan sewage pumping station and Wo Mei sewage treatment plant were in progress. Project programme was revised because of longer time required for funding approval.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4432DS	Port Shelter sewerage, stage 3, package 2	Approved by F.C. Current forecast	668.200 668.200	Q4/2019 07/2020	Q4/2024 Q2/2025	Works were about 44% completed. Village sewer pipe laying in Po Toi O, Tseng Lan Shue, Sam Long and Tai Po Tsai, rock slope cutting works for Po Toi O sewage treatment plant and excavation and lateral support works for Tseng Lam Shue sewage pumping station were in progress. Project programme was revised because of longer time required for funding approval.
4433DS	Construction of San Shek Wan Sewage Treatment Works and Pui O village sewerage	Approved by F.C. Current forecast	1,688.800 1,688.800	Q4/2020 03/2021	Q3/2026 Q3/2026	Works were about 29% completed. Trench excavation for sewerage works, construction of substructure for Pui O sewage pumping station and drilling of submarine outfall by horizontal direction drilling method were in progress.
4435DS	Village Sewerage in Northern Tuen Mun	Approved by F.C. Current forecast	431.200 431.200	Q1/2021 01/2021	Q4/2024 Q4/2024	Works were about 51% completed. Construction of Fuk Hang Tsuen sewage pumping station and village sewer pipe laying works were in progress.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4437DS	Outlying Islands sewerage, stage 2 - upgrading of Cheung Chau sewage treatment and disposal facilities	Approved by F.C. Current forecast	2,606.900 2,606.900	Q4/2019 11/2020	Q1/2025 Q1/2026	<p>Works were about 35% completed. Construction of underground structure at sludge digester building, excavation and lateral support works at membrane biological reactor and pre-boring works at preliminary treatment facilities were in progress.</p> <p>Project programme was revised because of longer time required for funding approval and tendering of the works contract.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
4439DS	Yuen Long Effluent Polishing Plant - stage 1	Approved by F.C. Current forecast	6,861.400 6,861.400	Q1/2020 11/2020	Q4/2026 Q2/2027	The project consists of two works contracts. Works under the first works contract (DC/2019/10) for main works of sewage and sludge treatment facilities were about 40% completed. Temporary sewage and sludge diversion, predrilling works, demolition of existing sludge holding tanks and air flotation thickener, sheet piling works at Sludge Thickening Building, sludge digestion tanks and Tertiary Treatment Building, surcharging works at new biogas holder location, excavation and lateral support works for Inlet Works Building, construction of new primary sedimentation tank, and pipe pile installation at Aerobic Granular Sludge Building were in progress. The second works contract (DE/2020/01) for remaining E&M works, and photovoltaic panel installation was awarded on 31 May 2022 and commenced on 13 June 2022. Works under the whole project were about 26% completed. Project programme was revised because of longer time required for funding approval and tendering of the works contract.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
5045CG	District Cooling System at the Kai Tak Development	Approved by F.C. Current forecast	4,945.500 4,945.500	04/2010 02/2011	Q4/2022 Q4/2025	<p>The District Cooling System (DCS) Phase I, Phase II, Phase III (Package A), Phase III (Package B) and Phase III (Package C) works were completed.</p> <p>The remaining works under Phase III is scheduled for completion in end 2025.</p> <p>Since this project is to provide district cooling services to buildings within the Kai Tak Development (KTD) and includes construction of the connections to the buildings to be served, the project completion date is affected by the actual development schedules of the buildings concerned. The DCS connection works cannot be undertaken unless the buildings at the sites concerned have been developed. As such, the project completion date is revised from 12/2022 to 12/2025 in order to reflect the latest development programme of KTD.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
5049CG	The District Cooling System for Tung Chung New Town Extension (East)	Approved by F.C. Current forecast	3,918.200 3,918.200	Q1/2021 06/2021	Q1/2030 Q1/2030	<p>The list of prequalified tenderers for the Design, Build and Operate (DBO) contract was approved by CTB on 15 June 2022 and the tender for the DBO contract was invited on 5 August 2022 and closed on 11 November 2022.</p> <p>CEDD's infrastructure works tender, with our entrusted DCS pipe laying works incorporated, commenced on 22 June 2021. The overall construction works would be completed around 2030 tentatively.</p>
5050CG	Provision of an Additional District Cooling System at the Kai Tak Development	Approved by F.C. Current forecast	4,269.300 4,269.300	Q4/2019 11/2020	Q4/2028 Q4/2028	<p>The main Design, Build and Operate (DBO) Contract under 5050CG for construction of the additional DCS Plant Building was awarded on 30 November 2020. The additional DCS plant is scheduled for phased operation in 2023.</p> <p>The project start date was revised due to the delay of F.C. funding approval in June 2020. Some mitigation measures will be adopted to catch up the project milestones. EMSD is closely monitoring the project programme to minimise the impact of delays.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
						<p>EMSD also entrusted the DCS pipework (i) at Trunk Road T2 and under Stage 5B works to CEDD on 28 July 2020 and 4 November 2020 respectively; and (ii) along banks of Kai Tak River to HyD on 8 December 2020. These entrustment works are currently in construction stage.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
5163DR	Northeast New Territories landfill extension	Approved by F.C. Current forecast	7,510.000 7,510.000	mid 2016 Q1/2022	mid 2030 2038	<p>Northeast New Territories (NENT) landfill has been receiving less waste than forecast since the implementation of waste diversion from Southeast New Territories (SENT) landfill in January 2016. As landfilling spaces are valuable resources, the NENT landfill would be filled to its full capacity.</p> <p>The implementation programme of NENT Landfill Extension (NENTX) was therefore reviewed, taking into consideration the filling rate of the existing NENT landfill; the waste distribution amongst the three landfills; and the need to maintain continuity of waste disposal service in transition from NENT landfill to NENT landfill extension (NENTX). The commencement date of NENTX was then revised to Q1 of 2022 whereas its anticipated completion date to 2038 based on the latest estimates. The deferred project commencement will not jeopardize the succession of NENT landfill.</p> <p>The Contract was awarded on 25 January 2022 and construction works were commenced on 1 December 2022.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
5164DR	Southeast New Territories landfill extension	Approved by F.C. Current forecast	2,101.600 2,101.600	late 2015 04/2018	2025 2028	<p>The Design-Build-Operate contract was awarded in April 2018. The Government land allocation for the extension project was granted by District Lands Office/Sai Kung on 27 December 2018. The required site was handed over from CEDD to EPD on 31 December 2018. The preparation works commenced in October 2018. Due to the COVID-19 pandemic, the progress of works was delayed in 2020. The contractor had actively implemented various mitigation measures in order to catch up with the original programme as far as practicable. Part of the extended landfill was commissioned on 21 November 2021 upon granting of some 4 months extension of time due to COVID-19 pandemic and inclement weather.</p> <p>Some remaining landfill formation works are on-going which is targeted for completion in around mid-2023 as extra time is required for completing the complicated tie-in works between the extended and original parts of the landfill, which, however, has no impact on its current operation. Restoration works will be carried out in phases throughout the landfill operation period, where the last phase of restoration works is scheduled for completion in around 2028 subject to the actual waste intake.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
5173DR	Organic resources recovery centre phase 2	Approved by F.C. Current forecast	2,453.000 2,453.000	Q1/2019 09/2019	Q4/2021 2024	<p>As at 31 December 2022, the Design and Works were about 73% completed.</p> <p>The project commencement was revised due to the delay of obtaining funding approval to 28 June 2019. The delay in project commencement has led to a consequential delay in project completion. The Design-Build-Operate contract was awarded in August 2019, and the Design and Works commenced in September 2019. Based on the latest programme, O·PARK2 is scheduled for commissioning in 2024.</p> <p>The original period for the Design and Works was 33 months. Delay in design, equipment procurement & delivery, civil and E&M works was caused by COVID-19 pandemic in Europe (2020), Hong Kong (2020 – Q1 2022) and Mainland (Q2 2022). We had granted an extension of time of 275.5 days due to COVID-19 pandemic, tropical cyclone signal number 8 and additional design enhancement works. The continual effect of the COVID-19 pandemic was being assessed.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
5177DR	Integrated waste management facilities phase 1	Approved by F.C. Current forecast	19,203.700 19,203.700	2016 – 17 12/2017	2022 – 23 Q3/2025	The Design-Build-Operate contract for the project was awarded in November 2017 and its design and construction works commenced in December 2017. Works were about 45% completed. According to the latest programme of the contractor, the IWMF Phase 1 will be commissioned in 2025.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
						<p>IWMF Phase 1 is to be constructed on an artificial island off Shek Kwu Chau. Reclamation works started in late December 2018 and was largely completed with the remaining works of surcharge being carried out. Foundation works and steel structure erection works are being carried out at the artificial island. In addition, the mechanical and the electrical & instrumentation (E&I) installation works for the E&M prefab units are being carried out in the Mainland prefabrication yard. Up to end of December 2022, around 11.5 months of extension of time (EOT) was granted due to inclement weather and COVID-19 pandemic. To catch up with the programme, the Contractor has continuously increased labour resources for the construction works at both the artificial island and in the Mainland prefabrication yard. As a result, all piling works and over 85% of pile cap construction for the most critical area in Process Building, i.e., boiler and flue gas treatment area were completed. In addition, site erection of mega columns and installation of steel plates were in progress, and all mega columns for the building area housing the first E&M prefab unit were completed.</p> <p>The current contract completion date for the works is fixed in July 2025.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
6804TH	Retrofitting of Noise Barriers on Tai Po Road (Sha Tin Section)	Approved by F.C. Current forecast	851.800 851.800	Q2/2018 07/2018	Second half of 2023 Q4/2023	The works were entrusted to CEDD which commenced in July 2018. Works were about 77% completed in end December 2022. Mini-piles and pile cap construction, and steel column erection for the noise barriers were in progress. Due to unforeseen underground utilities/ structures, some critical construction works had been delayed.
3023NB	Provision of Columbarium at Cape Collinson Road in Chai Wan	Approved by F.C. Current forecast	791.700 791.700	Q4/2018 11/2018	Q1/2022 Q2/2023	Works were about 85% completed. Site formation, superstructure, internal finishes, building services and road widening works were in progress. Project programme was revised because of the effect of COVID-19 pandemic & unforeseen underground utilities revealed during drainage works at San Ha Street.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3024NB	Provision of columbarium, Garden of Remembrance and related works at On Hing Lane, Shek Mun, Sha Tin	Approved by F.C. Current forecast	859.500 859.500	Q2/2020 12/2020	Q3/2023 Q2/2025	Works were about 32% completed. Site formation, foundation, superstructure and slope works were in progress. Project programme was revised because of longer time required for funding approval. Completion date was further revised because of the additional slope improvement works.
3187GK	Animal Management and Animal Welfare Building Complex in Kai Tak Development	Approved by F.C. Current forecast	881.900 881.900	Q3/2020 09/2020	Q2/2024 Q2/2024	Works were about 28% completed. Underground drainage works were completed. Superstructure construction and building services were in progress.

Secretary for
Financial Services and the Treasury

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3125KA	Joint-user Government Office Building in Area 67, Tseung Kwan O	Approved by F.C. Current forecast	5,228.400 5,228.400	Q3/2020 09/2020	Q1/2025 Q1/2025	Works were about 23% completed. Pile cap and basement construction were in progress.

Secretary for Health

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3001MZ	The establishment of Government Chinese Medicines Testing Institute in Tseung Kwan O	Approved by F.C. Current forecast	2,005.000 2,005.000	Q2/2021 06/2021	Q2/2025 Q2/2025	Works were about 6% completed. Footing and superstructure construction were in progress.
3005MI	Expansion of North District Hospital – site formation and foundation works	Approved by F.C. Current forecast	2,141.000 2,141.000	Q2/2021 07/2021	Q2/2023 Q1/2024	The project was approved by F.C. in June 2021. Contract commenced in July 2021. Works were about 50% completed. Piling works were in progress. Project completion date was revised because of the effect of COVID-19 pandemic.
3070MM	Redevelopment of Queen Mary Hospital, phase 1	Approved by F.C. Current forecast	13,556.000 13,556.000	Q4/2018 10/2018	Q3/2024 Q3/2024	Works were about 41% completed. Superstructure construction was in progress.
3074MM	Community health centre cum social welfare facilities at Pak Wo Road, North District	Approved by F.C. Current forecast	1,780.400 1,780.400	Q3/2020 08/2020	Q4/2023 Q1/2024	Works were about 21% completed. Pile cap construction was completed. Superstructure construction was in progress. Project completion date was revised because of the effect of COVID-19 pandemic.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3081MM	Redevelopment of Kwai Chung Hospital, phases 2 and 3	Approved by F.C. Current forecast	7,452.100 7,452.100	Q3/2019 12/2019	2024 Q2/2025	Phase 2 works were about 32% completed. Site formation and underground drainage works, and footing construction were completed. Superstructure construction was in progress. Project programme was revised because of longer time required for funding approval.
3085MM	Hospital Authority Supporting Services Centre	Approved by F.C. Current forecast	3,788.000 3,788.000	Q4/2020 10/2020	Q1/2024 Q1/2024	Works were about 29% completed. Superstructure construction was in progress.
3086MM	Extension of Operating Theatre Block for Tuen Mun Hospital	Approved by F.C. Current forecast	2,729.700 2,729.700	Q3/2017 09/2017	Q4/2021 10/2022	Works for the new Operating Theatre Block were substantially completed in October 2022. Project completion date was revised because of unforeseen underground condition revealed during excavation and lateral support works for basement construction and the effect of COVID-19 pandemic.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3087MM	New Acute Hospital at Kai Tak Development Area – main works	Approved by F.C. Current forecast	30,441.100 30,441.100	Q4/2021 02/2022	Q2/2025 Q3/2026	<p>Works at Site B were about 5% completed. Basement construction was completed. Superstructure construction was in progress.</p> <p>Project programme was revised because of delay in foundation, and excavation and lateral support (ELS) works under 3094MM due to the effect of COVID-19 pandemic.</p> <p>Works at Site A would commence until ELS works under 3094MM was completed. Completion date of 3087MM was further revised because of delay in completion of ELS works at Site A due to ground subsidence incident and resulted in late site possession by main works contractor.</p>
3094MM	New Acute Hospital at Kai Tak Development Area – foundation, excavation and lateral support, and basement excavation works	Approved by F.C. Current forecast	5,356.800 5,356.800	Q3/2018 09/2018	N/A Q2/2023	<p>Works at Site B were substantially completed in mid-February 2022.</p> <p>Works in Site A were about 95% completed. Excavation and lateral support (ELS) works for basement construction, and pile cap construction were in progress. Project completion date was revised because of works suspension from 8 October 2021 to 31 March 2022 due to ground subsidence incident and subsequential enhancement of ELS works, and the associated effect of COVID-19 pandemic.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3095MM	Redevelopment of Prince of Wales Hospital, phase 2 (stage 1) – demolition and foundation works	Approved by F.C. Current forecast	1,725.000 1,725.000	Q3/2019 12/2019	N/A Q2/2023	Works were about 84% completed. Excavation and lateral support works for basement construction, and pile cap construction were in progress. Project programme was revised because of the effect of COVID-19 pandemic and unforeseen underground utilities revealed during piling works.
3116MH	The development of Chinese Medicine Hospital in Tseung Kwan O	Approved by F.C. Current forecast	8,620.000 8,620.000	Q2/2021 06/2021	Q2/2025 Q2/2025	Works were about 6% completed. Excavation works for basement, substructure construction and soil nail works were in progress.

Secretary for Housing

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
B075MC	Community health centre-cum-residential care home for the elderly at Tuen Mun Area 29 West	Approved by F.C. Current forecast	1,046.400 1,046.400	Q2/2019 06/2019	2024 2024	Works were about 42% completed. Internal finishes, building services and external works were in progress.
B472RO	Water feature park and landscaped walk at Diamond Hill	Approved by F.C. Current forecast	615.900 615.900	Q4/2020 03/2021	Phased completion from 2023 to 2024 Phased completion from 2023 to 2024	Works were about 21% completed. Superstructure construction, foundation and site formation works were in progress.
B780CL	Site formation and infrastructure works for public housing development at Wang Chau, Yuen Long	Approved by F.C. Current forecast	1,800.200 773.220	Early 2020 05/2020	2024 2024	The project comprises 2 contracts, which commenced on 25 May and 21 September 2020 for site formation and infrastructure works respectively. The overall completion of the project is about 46.4%. For the site formation contract, bored piling works, drainage works, construction of retaining wall and backfilling works were on-going.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
B795CL	Site formation and infrastructure works for public housing developments at Pok Fu Lam South	Approved by F.C. Current forecast	4,571.300 3,293.590	mid-2020 12/2020	In phases from 2026 to 2027 In phases from 2026 to 2027	<p>For the infrastructure contract, the construction of Pai Lau had been completed in March 2023, and the construction of footbridge, drain pipes and water main laying works along Long Ping Road and Fuk Hi Street were on-going.</p> <p>The project estimate was adjusted downward to reflect the awarded tender prices and latest estimated cost for claims.</p> <p>Construction works commenced on 22 December 2020 and were about 18.0% completed as of end-December 2022. Bored piling works at the Wah Lok Path site, bored piling works, and soldier piling works at Kai Lung Wan North site, slope cutting works at Kai Lung Wan South site as well as soldier piling works and bored piling works at the Wah Fu North site were on-going. The project estimate was adjusted downward to reflect the awarded tender prices of the works contracts and the cost saving achieved in the revised geotechnical designs.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
B808CL	Site formation and infrastructure works for public housing developments at Tseung Kwan O	Approved by F.C. Current forecast	2,508.400 1,581.650	2021 09/2021	2026 2026	<p>The project comprises 2 contracts. Contract 1 for site formation at Ying Yip Road commenced in September 2021 for completion in 2026. Earthworks and slope stabilization works were on-going and the contract was about 26.0% completed. Contract 2 for site formation at Yau Yue Wan and Pak Shing Kok commenced in April 2022 for completion in 2026. Earthworks and slope stabilization were on-going. The contract was about 16.2% completed.</p> <p>The project estimate was adjusted downward to reflect the awarded tender prices of the works contracts.</p>
B810CL	Site formation and infrastructure works for public housing development at Long Bin, Yuen Long	Approved by F.C. Current forecast	1,642.700 1,171.000	Q2/2021 10/2021	Q4/2026 Q4/2026	<p>The first works contract for provision of associated infrastructures for public housing developments commenced in October 2021 and was about 39.0% completed.</p> <p>The second works contract for site formation commenced on 3 October 2022. All vacated land and structures were taken over by the contractor on 29 March 2023. Site clearance works were in progress.</p>

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
B812CL	Site formation and infrastructure works for public housing developments at Pik Wan Road, Yau Tong	Approved by F.C.	1,823.300	mid 2020	In phases from 2026	Project estimate was adjusted downward to reflect the recent awarded tender prices of the second works contract. The project comprises of 2 contracts. Contract 1 commenced in December 2020 for completion in October 2023. Site formation and construction of retaining walls were completed and the site was early handed over to HD in end March 2023 (advanced by 7 months). Contract 2 for pedestrian walkway systems was scheduled to commence in Q4 of 2023.
		Current forecast	1,823.300	12/2020	In phases from 2026	
B813CL	Site formation and infrastructure works for public housing developments at Chung Nga Road and Area 9, Tai Po	Approved by F.C. Current forecast	1,146.800 1,146.800	mid 2017 08/2017	late 2022 12/2022	The site formation and infrastructure works were substantially completed in December 2022 and the completed Choi Tip Street would be opened upon completion of the public housing development at Tai Po Area 9.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
B194TB	Transport infrastructure works for development at Diamond Hill	Approved by F.C.	1,850.400	Q4/2020	Phased completion from 2022 to 2025	Works commenced in March 2021 and were about 39% completed as at December 2022. Construction of public transport interchange and associated road improvement works were substantially completed.
		Current forecast	1,850.400	03/2021	Phased completion from 2022 to 2025	Pre-drilling works, utilities diversion and piling works for three footbridges, as well as construction works for subway were in progress.
B868TH	Road Improvement Works at Ma On Shan, Sha Tin	Approved by F.C. Current forecast	587.700 587.700	mid 2018 01/2019	late 2021 10/2022	Works commenced in January 2019 and were about substantially completed in October 2022.

Secretary for
Innovation, Technology and Industry

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3120KA	Building a Government Data Centre Complex	Approved by F.C. Current forecast	2,251.700 2,251.700	Q3/2018 11/2018	Q3/2021 12/2022	Works were substantially completed in December 2022.. Project programme was revised because of longer time required for tendering process for the works contract. Completion date was further revised because of the effect of COVID-19 pandemic and unforeseen underground condition during excavation works for utility diversion and power energization.

Secretary for Security

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3067JA	Construction of Departmental Quarters for Customs and Excise Department at Tseung Kwan O Area 123 (Po Lam Road)	Approved by F.C. Current forecast	1,035.200 1,035.200	Q4/2018 11/2018	Q2/2022 Q1/2024	<p>Sewerage works by DSD within the project site were completed. Building works by ArchSD were about 14% completed. Pile cap and substructure construction were completed. Superstructure construction and road widening works were in progress.</p> <p>Project completion was revised because of longer time required for tendering process for the building works contract and unforeseen site condition during substructure and sewerage works. Completion date was further revised because of the effect of COVID-19 pandemic.</p>
3130KA	Immigration Headquarters in Tseung Kwan O	Approved by F.C. Current forecast	6,806.000 6,806.000	Q2/2019 06/2019	Q3/2023 Q3/2023	<p>Works were about 73% completed. Superstructure construction was completed. Curtain wall installation, internal finishes and building services works were in progress.</p>
3184GK	Chai Wan Government Complex and Vehicle Depot	Approved by F.C. Current forecast	1,585.000 1,585.000	Q2/2021 07/2021	Q2/2024 Q3/2024	<p>The project was approved by F.C. in June 2021. Contract commenced in July 2021.</p> <p>Works were about 9% completed. Piling works, and excavation and lateral support works for pile cap construction were in progress.</p>

Secretary for
Transport and Logistics

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3069GI	Provision of Air Traffic Control Facilities to support the Three-Runway System at the Hong Kong International Airport	Approved by F.C. Current forecast	1,902.900 1,902.900	Q1/2019 06/2019	2024 2024	Works were about 39% completed. Superstructure construction of the new air traffic control tower, and construction of facilities for the new air navigation service equipment at the Centre Runway by the Airport Authority Hong Kong were in progress.
3070GI	Provision of Aviation Weather Services Facilities to support the Three-Runway System at the Hong Kong International Airport	Approved by F.C. Current forecast	281.500 281.500	Q1/2019 06/2019	2024 2024	Works were about 31% completed. Construction of equipment rooms and equipment sites at the Centre Runway by the Airport Authority Hong Kong were in progress.
3176BF	Provision of Fire Services Facilities to support the Three-Runway System at the Hong Kong International Airport	Approved by F.C. Current forecast	2,605.800 2,605.800	Q1/2019 06/2019	2024 2024	Works were about 29.5% completed. Contract for construction of facilities in the Eastern Support Area by the Airport Authority Hong Kong commenced in November 2022 with site preparatory works for the Airport East Fire Station in progress.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
3278LP	Provision of Police facilities to support the Three-Runway System at Hong Kong International Airport	Approved by F.C. Current forecast	1,866.600 1,866.600	N/A 06/2021	2024 2024	Works were about 6% completed. Design and procurement of construction works for the Airport District Operational Base by the Airport Authority Hong Kong were in progress with predrilling works completed.
3402IO	Provision of facilities and accommodation for various government departments to support the Three-Runway System at Hong Kong International Airport	Approved by F.C. Current forecast	2,624.500 2,624.500	N/A 06/2021	2024 2024	Works were about 5% completed. Construction of the underground cable duct systems, and design and procurement of works for other facilities by the Airport Authority Hong Kong were in progress.
6170TB	Braemar Hill Pedestrian Link	Approved by F.C. Current forecast	682.600 682.600	Q2/2021 08/2021	Q2/2027 Q2/2027	Works were about 14% completed. Excavation works, foundation works and utilities diversion works were in progress.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
6178TB	Lift and Pedestrian Walkway System between Castle Peak Road and Kung Yip Street, Kwai Chung	Approved by F.C. Current forecast	584.400 584.400	Q1/2019 12/2019	Q2/2023 Q3-4/2023	Works commenced in December 2019 and were about 72% completed. Construction of lift towers and site assembly of Footbridge 1 were in progress. Due to unforeseen ground conditions and delay in contract commencement date, the completion date will be affected. Delay mitigation measures have been implemented to partially catch up the progress of the works, which are now scheduled to be completed in phases from September 2023 to December 2023.
6461TH	Central Kowloon Route – Main Works	Approved by F.C. Current forecast	42,363.900 42,363.900	Q4/2017 12/2017	2025 2025	Works commenced in December 2017 and were about 54% completed. Major works in progress included construction of tunnels, buildings, roads and viaducts connecting to existing road network at Yau Ma Tei and Kai Tak, new Gascoigne Road Flyover and noise enclosures at Yau Ma Tei.
6845TH	Hong Kong–Zhuhai–Macao Bridge (HZMB) Hong Kong Boundary Crossing Facilities (HKBCF) – Reclamation and Superstructures	Approved by F.C. Current forecast	35,895.000 35,895.000	end 2011 11/2011	end 2016 11/2022	The HZMB HKBCF (i.e. Hong Kong Port) was commissioned in October 2018. The phase 2 works covering the remaining and improvement works at the HZMB Hong Kong Port were substantially completed in April 2022. Construction works for deployment of artificial reef units were completed in November 2022. and the construction works were substantially completed.

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
6863TH	Widening of western section of Lin Ma Hang Road between Ping Yuen River and Ping Che Road	Approved by F.C.	432.300	2 nd half of 2019	Q4/2023	Works were about 83% completed. Construction of vehicular bridge and at-grade road widening were in progress.
		Current forecast	432.300	02/2020	Q4/2023	
6875TH	Noise enclosures at Gascoigne Road Flyover	Approved by F.C.	482.400	Q1/2021	Q4/2025	Works were about 23% completed. Piling works, pile cap construction and installation of steel columns/ beams were in progress.
		Current forecast	482.400	10/2020	Q4/2025	
7785TH	Trunk Road T2 and Cha Kwo Ling Tunnel – construction	Approved by F.C.	16,017.000	2019	2026	Works commenced in November 2019 and were about 49.1% completed. Subsea tunnel boring machine (TBM) tunnelling works, drill-and-blast and drill-and-break tunnelling of Cha Kwo Ling Tunnel and construction of ventilation buildings were on-going.
		Current forecast	16,017.000	11/2019	2026	
7822TH	Cross Bay Link, Tseung Kwan O – construction	Approved by F.C.	5,625.700	2 nd half of 2018	2022	The project was commissioned in tandem with Tseung Kwan O – Lam Tin Tunnel on 11 December 2022. The project estimate was adjusted downward to reflect the awarded tender prices of the works.
		Current forecast	3,848.840	07/2018	12/2022	

Project No.	Project Title		Project Estimate (\$M)	Project Start Date	Project Completion Date	Notes on Progress of Project and variance in project estimate, start date and completion date
7861TH	Widening of Tai Po Road (Sha Tin Section) – construction	Approved by F.C. Current forecast	2,739.700 1,697.400	Q2/2018 07/2018	Q3-Q4/2023 Q4/2023	<p>The contract commenced in July 2018 with one month delay due to longer than expected time for financial checking of the recommended tenderer.</p> <p>Due to unforeseen underground utilities, some major construction works could not proceed as originally scheduled. Mitigation measures were being devised to minimize the delay. The project office will continue to closely monitor the progress of works and assess the impact of the above on the project programme.</p> <p>As at end December 2022, works were about 67.9% completed. The project estimate was revised to reflect the awarded tender prices of the works contract.</p>
7872TH	Tseung Kwan O – Lam Tin Tunnel – main tunnel and associated works	Approved by F.C. Current forecast	15,093.500 15,093.500	07/2016 07/2016	mid 2021 12/2022	<p>The project was commissioned in tandem with Cross Bay Link, Tseung Kwan O on 11 December 2022.</p>

Appendix

- A. Projects which were completed in the quarter ending September 2022 and have been excluded from this report:

	<u>Item</u>	<u>Title</u>
1	4394DS	Upgrading of Kwun Tong preliminary treatment works
2	3068JA	Construction of Departmental Quarters for Customs and Excise Department at No. 57 Sheung Fung Street, Tsz Wan Shan

B. Projects which were completed in the quarter ending December 2022 and will be excluded from the next report onwards:

	<u>Item</u>	<u>Title</u>
1	B868TH	Road Improvement Works at Ma On Shan, Sha Tin
2	4108CD	West Kowloon drainage improvement – inter-reservoirs transfer scheme
3	4380DS	Construction of dry weather flow interceptor at Cherry Street box culvert
4	4413DS	Enhancement works for Kwun Tong sewage pumping station
5	4426DS	Rehabilitation of underground sewers stage 1
6	3275RS	Provision of heated pool at the Morse Park Swimming Pool Complex, Wong Tai Sin
7	7815CL	Integrated Basement for West Kowloon Cultural District – third stage of construction works
8	7797CL	Kai Tak development – stages 3B and 5A infrastructure works at former north apron area
9	3086MM	Extension of Operating Theatre Block for Tuen Mun Hospital
10	B813CL	Site formation and infrastructure works for public housing developments at Chung Nga Road and Area 9, Tai Po
11	3120KA	Building a Government Data Centre Complex
12	7822TH	Cross Bay Link, Tseung Kwan O – construction
13	7872TH	Tseung Kwan O – Lam Tin Tunnel – main tunnel and associated works
14	7804CL	Site formation and infrastructure works for development at Kam Tin South, Yuen Long – advance works
15	6845TH	Hong Kong–Zhuhai– Macao Bridge (HZMB) Hong Kong Boundary Crossing Facilities (HKBCF) – Reclamation and Superstructures

C. Abbreviations

APE	approved project estimate
ATC	Area Traffic Control
CCTV	Closed circuit television
CEDD	Civil Engineering and Development Department
DC	District Council
DIA	Drainage Impact Assessment
DSD	Drainage Services Department
E&M	Electrical and Mechanical
EMSD	Electrical and Mechanical Services Department
EIA	Environmental Impact Assessment
FAT	Factory Acceptance Tests
F.C.	Finance Committee
FEHD	Food and Environmental Hygiene Department
FSTB	Financial Services and the Treasury Bureau
HD	Housing Department
HyD	Highways Department
LED	Light Emitting Diode
MTRCL	MTR Corporation Ltd.
PTI	Public Transport Interchange
PWSC	Public Works Subcommittee
STW	Sewage Treatment Works
TBM	Tunnel Boring Machine
TIA	Traffic Impact Assessment
UV	Ultra-violet
WSD	Water Supplies Department