

# 第25屆公德地盤嘉許計劃頒獎典禮

## Considerate Contractors Site Award Scheme Award Presentation Ceremony


### Environmental Performance

We always strive for continual improvement in the protection of environment by setting objectives and targets to enhance our environmental performance.

### Awards

#### Outstanding Environmental Management and Performance Award (OEMPA) and Considerate Contractors Site Award (CCSA)

The Development Bureau and Construction Industry Council jointly organised the Considerate Contractors Site Award Scheme to recognise construction sites with good site safety and environmental performance and considerate attitude towards the neighbourhood and the public. In 2019, our construction sites received four CCSA and two OEMPA awards, including two Silver and two Merit Prizes from CCSA, one Silver, one Bronze and one Merit Prizes from OEMP, as well as one Bronze and one Merit Prizes in Model Subcontractor Award.



**Contract No. HY/2014/07**  
**“Central Kowloon Route - Kai Tak West”**

**Winner of CCSA (New Works) Silver Prize and OEMPA Silver Prize**



**Contract No. 05/HY/2017**  
**“Management and Maintenance of Roads in Kowloon East excluding High Speed Roads 2018-2024”**

**Winner of CCSA (RMAA) Silver Prize and OEMPA Bronze Prize**



**Contract No. HY/2016/04**  
**“Elevated Walkway between Tong Ming Street and Tong Tak Street, Tseung Kwan O”**

**Winner of CCSA (New Works) Merit Prize and OEMPA Merit Prize**



**Contract No. HY/2012/06**  
**“Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange”**

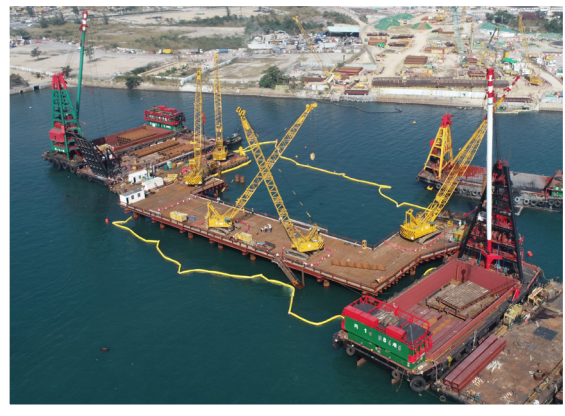
**Winner of CCSA (New Works) Merit Prize**

OEMPA Silver Award was granted to Contract No. HY/2014/07 for the outstanding environmental performance. Approximately 1,400 tonnes of structural steel from another Contract No. HY/2012/07 were reused in this contract, which accounts for more than 60% of the steel used on temporary platform. A further 270 tonnes of modular struts, which could be reused after re-conditioning, were used in excavation and lateral support works so as to increase the rate of material reuse and minimise embodied carbon emission.

Approximately 700 m<sup>2</sup> of solar panel were installed on the roof of the main site office to generate renewable energy for Feed in Tariff scheme. On average, more than 10,000 kWh renewable energy was generated monthly.



Solar panel on the roof of the site office of Contract No. HY/2014/07



Reuse of structural steel in the construction of cofferdam in Contract No. HY/2014/07

### Hong Kong Flower Show 2019

Our display received two prizes - the “Grand Award for Unique Feature” and “Best Green Concept Award” in the Hong Kong Flower Show 2019. The theme for our display was “Blooming Journey”, which featured various highway motifs to symbolise one’s journey of growth and advancement in pursuit of dreams. Our display also made good use of the wood logs collected from the Acacia programme for constructing the planters and making upcycled wood block prints at the interactive “Acacia Corner”.



Aerial view of our display



Vibrant flower corridor



Upcycled wood block print workshop



Special lighting feature

## Environmental Objectives and Targets Achievement in 2019

Objective	Target	Achievement
Reducing the energy consumption in public lighting	To continue replacing 9,300 lighting points with LED lights/LED tubes.	Target achieved: Replaced 14,044 lighting points with LED lights/LED tubes.
Saving 5% electricity consumption in Ho Man Tin Government Offices by 2019 (Comparing with the baseline electricity consumption in 2013)	To continue implementing housekeeping measures and best practices for energy saving. To replace fluorescent lighting by LED lighting fittings with motion sensors at Ho Man Tin Government Offices.	Target achieved: The electricity consumption in Ho Man Tin Government Offices in 2019 was about 25.5% less than that in 2013.
Adopting measures in water conservation	To continue implementing measures in water conservation and exploring the appropriate installation of latest water saving devices in the Highways Department (HyD) offices.	Target achieved: Measures in water conservation are being adopted continuously.
Improving indoor air quality	To continue upkeeping the indoor air quality at or above the level of “Good” Class in HyD offices.	Target achieved: Air measurement was conducted by the Electrical and Mechanical Services Department in December 2019. HyD offices’ air quality attained the “Excellent” or “Good” Class.
Carrying out carbon audit and implementing measures to reduce greenhouse gas emission	To continue carrying out carbon audit annually. To explore energy conservation opportunities by identifying our major emission source from the carbon audit result.	Target achieved: Carbon audit was arranged by the Building Management Office of Ho Man Tin Government Offices in 2019.
Encouraging the use of recycled paper in the Department	To upkeep percentage usage of recycled paper at 97.5% or above of the total paper consumption.	Target achieved: 19,265 reams of paper were consumed in the year, and all of them were recycled paper.
Setting target in reducing photocopying paper consumption	To maintain the consumption of photocopying paper at a level not exceeding the consumption level of 2018.	Target achieved: 19,265 reams of paper were consumed in the year, same as that of 2018.
Promoting the wider use of recycled materials	To introduce the use of full depth recycled materials as sub-base of local distributors and feeder roads in more maintenance contracts.	Target achieved: 1 road maintenance contract which was commenced in 2019 and 1 road maintenance contract which was scheduled to commence in 2020 have included the specification clauses for the use of full depth recycled materials as sub-base of local distributors and feeder roads.

Objective	Target	Achievement
Planting trees and shrubs	To plant 646,000 additional trees/shrubs in capital works contracts of Major Works Project Management Offices (MWPMOs).	Target achieved: 1,195,791 additional trees/shrubs have been planted.
Adopting site office equipment with energy saving labels	To include particular specification clauses for using site office equipment with energy saving labels and water consuming appliances with the Water Supplies Department (WSD) water efficiency labels in all Engineer's site office (excluding those using existing premises) of capital works contracts of MWPMOs to be tendered during the calendar year of 2019.	Target achieved: All 6 applicable capital works contracts tendered in 2019 have included particular specification clauses, for using site office equipment with energy saving labels and water consuming appliances with WSD water efficiency labels.
Using environment-friendly vehicles in capital works projects	To include the requirement for procuring at least one electric or hybrid electric vehicle for saloon type contract vehicle in each capital works contract of MWPMOs to be tendered during the calendar year of 2019.	Target achieved: All 7 capital works contracts tendered in 2019 have included a particular specification clause for procuring at least one electric or hybrid electric vehicle.
Reducing dust emission	To include a particular specification clause for dust emission reduction in all capital works contracts of MWPMOs to be tendered during the calendar year of 2019.	Target achieved: All 7 capital works contracts tendered in 2019 have included the dust emission reduction particular specification clause.
Adopting energy efficient features and renewable energy technologies	In all capital works consultancy agreements of MWPMOs for which invitation to submit Technical and Fee Proposals during the calendar year of 2019 to include requirements for the consultants : (i) to identify opportunities to utilize energy efficient features and renewable energy technologies; and (ii) to assess carbon footprint of the road work project during design stage and to provide recommendations on measures to reducing carbon footprint.	Target achieved: 1 consultancy agreement tendered in 2019 has included the requirements (i) and (ii).
Green roof and/or green wall at the Engineer's site office	To include a particular specification clause for construction of green roof and/or green wall in all capital works contracts of MWPMOs to be tendered during the calendar year of 2019 with Engineer's site office (excluding those using existing premises) exposed in sunlight.	Target achieved: All 4 applicable capital works contracts tendered in 2019 have included the particular specification clause for construction of green roof and/or green wall.

### Looking Ahead for 2020

Objective	Target
Reducing the energy consumption in public lighting	To replace 9,300 lighting points with LED lights/LED tubes.
Saving 6% electricity consumption in HyD offices by FY 2024/25 (comparing with the baseline electricity consumption in FY 2018/19)	To continue implementing housekeeping measures and best practices for energy saving.
Adopting measures in water conservation	To continue implementing measures in water conservation and exploring the appropriate installation of latest water saving devices in HyD offices.
Improving indoor air quality	To continue upkeeping the indoor air quality at or above “Good” Class level in HyD offices.
Carrying out carbon audit and implementing measures to reduce greenhouse gas emission	To continue carrying out carbon audit annually. To explore energy conservation opportunities by identifying our major emission source from the carbon audit result.
Encouraging the use of recycled paper in the Department	To upkeep percentage usage of recycled paper at 97.5% or above of the total paper consumption.
Setting target in reducing photocopying paper consumption	To maintain the consumption of photocopying paper at a level not exceeding the consumption level of 2019.
Promoting the wider use of recycled materials	To introduce the use of full depth recycled materials as sub-base of local distributors and feeder roads in more maintenance contracts.
Planting trees and shrubs	To plant 670,000 additional trees/shrubs in capital works contracts of MWPMOs.
Adopting site office equipment with energy saving labels	To include particular specification clauses for using site office equipment with energy saving labels and water consuming appliances with WSD water efficiency labels in all Engineer’s site office (excluding those using existing premises) of capital works contracts of MWPMOs to be tendered during the calendar year of 2020.
Using environment-friendly vehicles in capital works projects	To procure at least two electric or hybrid electric vehicles of approved types under each capital works contract of MWPMOs to be tendered during the calendar year of 2020.

Objective	Target
Reducing dust emission	To include a particular specification clause for dust emission reduction in all capital works contracts of MWPMOs to be tendered during the calendar year of 2020.
Adopting energy efficient features and renewable energy technologies	In all capital works consultancy agreements of MWPMOs for which invitation to submit Technical and Fee Proposals during the calendar year of 2020 to include requirements for the consultants : (i) to identify opportunities to utilize energy efficient features and renewable energy technologies; and (ii) to assess carbon footprint of the road work project during design stage and to provide recommendations on measures to reducing carbon footprint.
Green roof and/or green wall at the Engineer’s site office	To include a particular specification clause for construction of green roof and/or green wall in all capital works contracts of MWPMOs to be tendered during the calendar year of 2020 with Engineer’s site office (excluding those using existing premises) exposed in sunlight.

Hoping that this report could provide you with a glimpse of our dedication and efforts in environmental protection. Should you have any comment to our work, please share with us your views through our homepage on the Internet (address: <http://www.hyd.gov.hk>). Thank you for reading this publication.