# Demolition/ Construciton Waste Reduction

Project: Lamma Power Station Extension Foundation Works for Unit L13

Type of Works: Foundation works

Record by: Sunley Engineering & Construction Co., Ltd.

Year of Record: 2024 to 2025

Objective: Encourage best practices in the management of waste, including sorting, recycling and disposal of demolition/ construction waste.

#### Monthly Waste Flow Table

Month	Total	Total Actual Quantities of Inert C&D Materials Generated Monthly										Actual Quantities of C&D Materials Generated Monthly						
	Quantity Generated	Quantity Generated	II	avated Mate			Non-ex	cavated M	laterials		Metals	Metals	Paper /	Plastics	Chemical	Other,		
	Ocherated	(Excluded	Disposed in	Disposed in	Others	Broken	Reused in		Disposed in		(steel bar / metal	(aluminum can) <sup>(1)</sup>	cardboard packaging	(1) & (4)	waste (wasted	e.g. general		
		Excavated	Public Fill	Sorting	(e.g	Concrete or	the	other	Public Fill	Sorting	strip) <sup>(1)</sup>	can)`	(1)		lubricant	refuse		
		Material)		Facilities	Reused in the	Constructio n Waste	Contract	Projects		Facilities	ouip)				oil/			
					Contract /	Collected									oil			
					Other	by									container)			
					Projects)	Recycled												
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)		
	a1	a2	b	b	b	С	d	е	f	g	h	i	j	k		m		
Dec-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Jan-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Mar-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Apr-24	8328.84	0.00	8328.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
May-24	9143.91	0.00	9143.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Jun-24	9012.08	0.00	9012.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Jul-24	13185.82	0.00	13185.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Aug-24	13024.25	0.00	13024.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Sep-24	8993.86	0.00	8993.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Oct-24	5199.19	0.00	5199.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Dec-24 Jan-25	5411.28 0.00	0.00	5411.28 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Mar-25	3222.89	0.00	3222.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Apr-25 May-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Jun-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	75522.12	0.00	75522.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total	75522.12	0.00	75522.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Total C&D waste generated

Total C&D waste generated (excluding excavated materials)

Total recycled C&D waste

% of recycled C&D waste

(1) Metal, paper & plastic were collected by recycler.

(2) The performance target of waste recycling are specified in the Contract.

(3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

(4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.

(5) Broken concrete for recycling into aggregates.

(6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation.

(7) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.

75522.12 tonne

0.00 tonne 0.0 tonne a1=b+c+d+e+f+g+h+i+j+k+l+m a2=c+d+e+f+g+h+i+j+k+l+m a3=c+d+e+h+i+j+k

%

a4=a3/a2 x 100%

## **Demolition/ Construction Waste Reduction**

Project: Lamma Power Station Extension Civil and Building Works for Unit 13

Type of Works: Civil and Building Works

Record by: China Harbour Engineering Company Limited

Year of Record: 2025

Objective: Encourage best practices in the management of waste, including sorting, recycling, and disposal of demolition/ construction waste.

### **Monthly Waste Flow Table**

Month	Total Quantity	Total Quantity	Actual Quantities of Inert C&D Materials Generated Monthly									Actual Quantities of C&D Materials Generated Monthly						
			Excavated Materials			Non-excavated Materials						Metals		Plastics	Chemical	Other, e.g.	1	
	Generated		Disposed	Disposed in	Others (e.g	Broken	Reused in	Reused in	Disposed	Disposed			cardboard	(1) & (4)	waste	general		
		(Excluded Excavated	in Public	Sorting		Concrete or	the	Other	in Public		metal strip)	can) (1)	packaging /		(wasted	refuse		
		Material)	Fill	Facilities	the	Constructio	Contract	Projects	Fill	Facilities	(1)		Wooden		lubricant			
		iviateriai)			Contract /	n Waste							product (1)		oil/oil container)			
					Other	Collected							(.,		container)			
					Projects)	by Recycled Company												
	(; 1000L )	(; 1000L )	(; 1000l )	(; 1000l )	(; 1000L )		(; I000I )	(; 1000L )	(; 1000L )	(; 1000L )	(; 1000L )	(; 1000L )	(; 1000l )	(; 1000L )	(; 1000L )	(; 1000L )		
	(in '000kg) a1	(In 1000kg) a2	(in '000kg)	(in '000kg)	(in 000kg)	(in '000kg)	(in OUUKg)	(in 'UUUKg)	(in '000kg)	g (In 'UUUKg)	(in 000kg)	(in 'UUUKg)	(In OUUKG)	(in '000kg)	(In OUUKG)	(in 'UUUKg) m		
Jun-25	79.76	79.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.59	0.00	0.00	0.00	0.00	64.17		
0dil-20	75.70	75.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	04.17		
											1							
																	, <u> </u>	
T-4-1	70.70	70.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.50	0.00	0.00	0.00	0.00	C4 47		
Total	79.76	79.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.59	0.00	0.00	0.00	0.00	64.17		

Total C&D waste generated
Total C&D waste generated (excluded excavated materials)
Total recycled C&D waste
% of recycled C&D waste

79.76 tonnes a1=b+c+d+e+f+g+h+i+j+k+l+m
79.76 tonne a2=c+d+e+f+g+h+i+j+k+l+m
15.59 tonne a3=c+d+e+h+i+j+k
19.55 % a4=a3/a2 x 100%

#### Notes:

- (1) metal, paper & plastic were collected by recycler
- (2) The performance target of waste recycling are specified in the Contract.
- (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
- (5) Broken concrete for recycling into aggregates.
- (6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation.
- (7) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.