

Water Quality Monitoring – Sam Mun Tsai Village Pier

Limit Level for

Dissolved Oxygen (DO):

- 5.0 mg/L for Surface and Middle (Depth averaged)
- 2.7 mg/L for Bottom

Turbidity:

- 1.7 NTU or 130% upstream control station at the same tide of the same day, whichever is higher.

Suspended Solids (SS):

- 20.3 mg/L or 130% of upstream control station at the same tide of the same day, whichever is higher.

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of water quality limits occurs when monitoring result is higher than the limits.
- “Depth-averaged” is calculated by taking the arithmetic means of reading of all three depths.
- All the figures given in the table are used for reference only and the IEC may amend the figures whenever it is considered as necessary.
- The frequency of the water quality monitoring is 3 days per week during construction works.

Contract No. CV/2022/03

**Reconstruction of Leung Shuen Wan Pier, Sham Chung Pier and Sam Mun Tsai Village Pier
- Sam Mun Tsai Village Pier**

Water Quality Monitoring Results at IM1 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Sampling Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
1-Dec-23	Fine	Calm	13:15	7	Surface	1	24.1 24.1	24.1	8.4 8.4	8.4	30.1 30.1	30.1	132.8 132.9	132.9	9.4 9.4	9.4	8.8	0.7 0.7	0.7	0.7	8 8	8.0	10.3	
					Middle	3.5	24.0 24.0	24.0	8.3 8.2	8.3	30.3 30.3	30.3	114.2 114.0	114.1	8.1 8.1	8.1		0.4 0.4	0.4		0.4	16 16		16.0
					Bottom	6	24.0 24.0	24.0	8.1 8.2	8.2	31.4 31.4	31.4	86.8 87.7	87.3	6.1 6.2	6.2		1.1 1.1	1.1		1.1	7 7		7.0
8-Dec-23	Sunny	Calm	08:51	6	Surface	1	22.9 22.9	22.9	8.1 8.1	8.1	30.9 30.9	30.9	102.9 101.7	102.3	7.4 7.3	7.4	7.2	1.1 1.1	1.1	1.2	6 6	6.0	7.7	
					Middle	3	22.9 22.9	22.9	8.1 8.1	8.1	30.9 30.9	30.9	97.7 96.8	97.3	7.0 7.0	7.0		1.1 1.1	1.1		1.1	9 9		9.0
					Bottom	5	23.2 23.2	23.2	8.1 8.1	8.1	31.3 31.2	31.3	80.3 81.5	80.9	5.7 5.8	5.8		1.3 1.3	1.3		1.3	8 8		8.0
11-Dec-23	Sunny	Calm	10:17	6	Surface	1	23.7 23.7	23.7	8.2 8.2	8.2	30.9 30.9	30.9	108.0 107.2	107.6	7.7 7.6	7.7	7.8	1.0 1.0	1.0	1.4	11 11	11.0	9.3	
					Middle	3	23.7 23.7	23.7	8.2 8.2	8.2	30.9 30.9	30.9	109.8 110.5	110.2	7.8 7.8	7.8		1.1 1.1	1.1		1.1	8 8		8.0
					Bottom	5	23.4 23.4	23.4	8.0 8.0	8.0	31.3 31.3	31.3	88.8 87.9	88.4	6.3 6.3	6.3		2.2 2.2	2.2		2.2	9 9		9.0
13-Dec-23	Cloudy	Calm	11:00	7	Surface	1	24.3 24.4	24.4	8.1 8.1	8.1	30.7 30.7	30.7	107.9 109.3	108.6	7.6 7.7	7.7	7.7	1.0 1.0	1.0	1.0	16 16	16.0	13.0	
					Middle	3.5	24.4 24.4	24.4	8.1 8.1	8.1	30.7 30.7	30.7	108.4 109.4	108.9	7.6 7.7	7.7		0.9 0.9	0.9		0.9	15 15		15.0
					Bottom	6	24.2 24.2	24.2	8.1 8.1	8.1	30.9 30.9	30.9	110.7 111.3	111.0	7.8 7.8	7.8		1.2 1.2	1.2		1.2	8 8		8.0
15-Dec-23	Fine	Calm	13:03	6	Surface	1	24.3 24.3	24.3	8.1 8.1	8.1	31.4 31.3	31.4	102.2 102.3	102.3	7.2 7.2	7.2	7.4	0.7 0.7	0.7	0.9	9 9	9.0	9.0	
					Middle	3	24.0 24.0	24.0	8.1 8.1	8.1	31.4 31.4	31.4	107.7 107.8	107.8	7.6 7.6	7.6		0.6 0.6	0.6		0.6	8 8		8.0
					Bottom	5	23.6 23.6	23.6	8.0 8.0	8.0	32.1 32.1	32.1	95.2 94.9	95.1	6.7 6.7	6.7		1.3 1.3	1.3		1.3	10 10		10.0
18-Dec-23	Cloudy	Calm	15:01	7	Surface	1	24.4 24.2	24.3	8.1 8.1	8.1	31.1 31.3	31.2	100.1 101.2	100.7	7.0 7.1	7.1	6.8	0.6 0.6	0.6	1.0	9 9	9.0	7.5	
					Middle	3.5	23.9 23.9	23.9	8.1 8.1	8.1	31.6 31.6	31.6	92.4 91.0	91.7	6.5 6.4	6.5		0.8 0.8	0.8		0.8	5 4		4.5
					Bottom	6	23.5 23.6	23.6	8.0 8.0	8.0	32.0 32.0	32.0	87.7 87.3	87.5	6.2 6.2	6.2		1.6 1.6	1.6		1.6	9 9		9.0
20-Dec-23	Cloudy	Calm	17:22	7	Surface	1	23.7 23.7	23.7	8.2 8.2	8.2	32.1 32.1	32.1	94.4 94.6	94.5	6.7 6.7	6.7	6.7	0.5 0.5	0.5	1.0	7 7	7.0	5.3	
					Middle	3.5	23.6 23.6	23.6	8.2 8.2	8.2	32.1 32.1	32.1	93.9 93.3	93.6	6.6 6.6	6.6		0.8 0.8	0.8		0.8	5 5		5.0
					Bottom	6	23.9 23.9	23.9	8.1 8.1	8.1	32.4 32.4	32.4	84.9 84.7	84.8	6.0 5.9	6.0		1.7 1.7	1.7		1.7	4 4		4.0
22-Dec-23	Fine	Calm	08:09	7	Surface	1	19.6 19.6	19.6	8.1 8.1	8.1	31.4 31.4	31.4	87.7 87.7	87.7	6.7 6.7	6.7	6.7	0.5 0.5	0.5	0.6	10 10	10.0	11.7	
					Middle	3.5	19.6 19.5	19.6	8.1 8.1	8.1	31.4 31.4	31.4	86.7 85.7	86.2	6.6 6.5	6.6		0.7 0.7	0.7		0.7	15 15		15.0
					Bottom	6	19.6 19.6	19.6	8.1 8.1	8.1	31.6 31.6	31.6	86.2 86.6	86.4	6.6 6.6	6.6		0.7 0.7	0.7		0.7	10 10		10.0
27-Dec-23	Sunny	Calm	12:24	6	Surface	1	18.8 18.8	18.8	8.2 8.2	8.2	33.4 33.4	33.4	100.1 100.9	100.5	7.7 7.7	7.7	7.7	1.1 1.1	1.1	1.3	5 6	5.5	6.8	
					Middle	3	18.6 18.6	18.6	8.2 8.2	8.2	33.5 33.5	33.5	100.0 99.9	100.0	7.7 7.7	7.7		1.2 1.2	1.2		1.2	6 6		6.0
					Bottom	5	18.7 18.7	18.7	8.2 8.2	8.2	33.6 33.6	33.6	97.1 96.7	96.9	7.4 7.4	7.4		1.5 1.5	1.5		1.5	9 9		9.0
29-Dec-23	Sunny	Calm	11:37	6	Surface	1	19.4 19.4	19.4	8.3 8.3	8.3	33.4 33.4	33.4	107.6 108.0	107.8	8.1 8.2	8.2	8.2	0.5 0.5	0.5	0.9	4 4	4.0	6.0	
					Middle	3	19.2 19.2	19.2	8.2 8.2	8.2	33.6 33.6	33.6	108.1 107.9	108.0	8.2 8.2	8.2		0.6 0.7	0.7		0.7	7 7		7.0
					Bottom	5	19.3 19.3	19.3	8.1 8.1	8.1	34.0 34.0	34.0	80.7 80.1	80.4	6.1 6.0	6.1		1.5 1.5	1.5		1.5	7 7		7.0

Remarks: *DA: Depth-Averaged **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Contract No. CV/2022/03

Reconstruction of Leung Shuen Wan Pier, Sham Chung Pier and Sam Mun Tsai Village Pier
- Sam Mun Tsai Village Pier

Water Quality Monitoring Results at IM1 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Sampling Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)				Turbidity(NTU)			Suspended Solids (mg/L)			
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
1-Dec-23	Fine	Calm	09:54	5.9	Surface	1	23.8 23.8	23.8	8.2 8.2	8.2	30.0 30.1	30.1	116.2 117.3	116.8	8.3 8.3	8.3	0.6 0.6	0.6	1.0	7 7	7.0	9.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	-
					Bottom	4.9	24.0 24.0	24.0	8.0 8.0	8.0	31.3 31.3	31.3	96.7 95.1	95.9	6.8 6.7	6.8	6.8	1.3 1.3		1.3	12 12		12.0		
4-Dec-23	Fine	Calm	14:10	7	Surface	1	23.5 23.5	23.5	8.0 8.0	8.0	30.4 30.4	30.4	103.2 102.9	103.1	7.4 7.3	7.4	0.6 0.6	0.6	1.0	12 12	12.0	8.8			
					Middle	3.5	24.0 23.8	23.9	8.0 8.0	8.0	31.1 31.1	31.1	93.7 92.7	93.2	6.6 6.6	6.6	6.6	1.1 1.1		1.1	10 10		10.0		
					Bottom	6	23.7 23.7	23.7	8.0 8.0	8.0	31.4 31.4	31.4	86.1 85.6	85.9	6.1 6.1	6.1	6.1	1.2 1.2		1.2	4 5		4.5		
6-Dec-23	Fine	Calm	13:13	5.9	Surface	1	23.7 23.7	23.7	8.1 8.1	8.1	30.4 30.3	30.4	101.9 103.5	102.7	7.3 7.4	7.4	1.0 1.0	1.0	1.3	4 5	4.5	5.8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
					Bottom	4.9	23.6 23.6	23.6	8.1 8.1	8.1	31.7 31.7	31.7	99.2 99.9	99.6	7.0 7.1	7.1	7.1	1.6 1.6		1.6	7 7		7.0		
8-Dec-23	Sunny	Calm	13:38	6	Surface	1	23.6 23.2	23.4	8.1 8.1	8.1	31.0 30.9	31.0	107.4 106.3	106.9	7.6 7.6	7.6	0.5 0.6	0.6	1.0	11 11	11.0	9.8			
					Middle	3	23.3 23.2	23.3	8.1 8.1	8.1	31.3 31.2	31.3	100.0 99.8	99.9	7.1 7.1	7.1	7.1	1.0 1.0		1.0	11 11		11.0		
					Bottom	5	23.4 23.4	23.4	8.0 8.0	8.0	31.6 31.6	31.6	78.7 78.5	78.6	5.6 5.6	5.6	5.6	1.4 1.4		1.4	7 8		7.5		
11-Dec-23	Sunny	Calm	15:10	7	Surface	1	24.3 24.0	24.2	8.1 8.1	8.1	30.9 30.9	30.9	111.1 111.3	111.2	7.8 7.9	7.9	1.0 1.0	1.0	1.5	16 16	16.0	9.6			
					Middle	3.5	23.7 23.7	23.7	8.1 8.1	8.1	31.1 31.0	31.1	99.0 99.4	99.2	7.0 7.1	7.1	7.1	1.7 1.7		1.7	10 10		10.0		
					Bottom	6	23.5 23.4	23.5	8.1 8.1	8.1	31.7 31.7	31.7	83.1 83.4	83.3	5.9 5.9	5.9	5.9	1.7 1.7		1.7	<2.5 3		2.8		
13-Dec-23	Cloudy	Calm	14:58	6	Surface	1	24.4 24.4	24.4	8.2 8.2	8.2	30.7 30.7	30.7	111.9 112.3	112.1	7.8 7.9	7.9	0.6 0.6	0.6	1.0	4 4	4.0	7.2			
					Middle	3	24.4 24.3	24.4	8.2 8.2	8.2	30.8 30.8	30.8	115.0 115.6	115.3	8.1 8.1	8.1	8.1	0.7 0.7		0.7	13 13		13.0		
					Bottom	5	23.8 23.8	23.8	8.2 8.1	8.2	31.2 31.2	31.2	87.9 86.6	87.3	6.2 6.1	6.2	6.2	1.8 1.8		1.8	4 5		4.5		
15-Dec-23	Fine	Calm	08:35	5.7	Surface	1	23.9 23.9	23.9	8.1 8.1	8.1	30.9 31.0	31.0	98.1 97.7	97.9	6.9 6.9	6.9	0.6 0.6	0.6	0.6	9 9	9.0	7.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-		
					Bottom	4.7	23.4 23.4	23.4	7.9 7.9	7.9	32.1 32.1	32.1	88.2 88.0	88.1	6.2 6.2	6.2	6.2	0.6 0.6		0.6	5 5		5.0		
18-Dec-23	Cloudy	Calm	10:52	5.9	Surface	1	24.0 24.0	24.0	8.2 8.2	8.2	31.2 31.2	31.2	92.6 92.4	92.5	6.5 6.5	6.5	0.5 0.5	0.5	0.6	8 8	8.0	11.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-		
					Bottom	4.9	23.4 23.4	23.4	8.1 8.1	8.1	32.1 32.1	32.1	86.5 86.2	86.4	6.1 6.1	6.1	6.1	0.7 0.7		0.7	14 14		14.0		
20-Dec-23	Cloudy	Calm	13:10	6	Surface	1	23.9 23.8	23.9	8.2 8.2	8.2	31.9 31.9	31.9	91.1 91.1	91.1	6.4 6.4	6.4	0.9 0.9	0.9	0.9	8 8	8.0	12.0			
					Middle	3	23.6 23.6	23.6	8.2 8.2	8.2	32.1 32.1	32.1	90.5 90.4	90.5	6.4 6.4	6.4	6.4	0.7 0.7		0.7	12 12		12.0		
					Bottom	5	23.8 23.8	23.8	8.1 8.1	8.1	32.3 32.3	32.3	84.8 84.6	84.7	6.0 5.9	6.0	6.0	1.2 1.2		1.2	16 16		16.0		
22-Dec-23	Fine	Calm	13:09	7	Surface	1	19.8 19.8	19.8	8.1 8.1	8.1	31.4 31.4	31.4	86.5 86.1	86.3	6.6 6.5	6.6	0.8 0.8	0.8	0.9	10 10	10.0	12.0			
					Middle	3.5	19.6 19.6	19.6	8.1 8.1	8.1	31.6 31.6	31.6	88.3 88.8	88.6	6.7 6.8	6.8	6.8	0.9 0.9		0.9	11 11		11.0		
					Bottom	6	19.2 19.2	19.2	8.1 8.1	8.1	32.0 32.0	32.0	85.4 84.8	85.1	6.5 6.5	6.5	6.5	1.1 1.1		1.1	15 15		15.0		
27-Dec-23	Sunny	Calm	16:26	7	Surface	1	18.8 18.8	18.8	8.3 8.3	8.3	33.5 33.5	33.5	103.8 104.2	104.0	7.9 8.0	8.0	0.5 0.5	0.5	0.9	12 11	11.5	11.2			
					Middle	3.5	18.6 18.6	18.6	8.3 8.3	8.3	33.5 33.5	33.5	103.4 103.3	103.4	7.9 7.9	7.9	7.9	0.7 0.7		0.7	12 12		12.0		
					Bottom	6	18.9 18.9	18.9	8.2 8.2	8.2	33.9 33.9	33.9	93.8 93.3	93.6	7.1 7.1	7.1	7.1	1.6 1.6		1.6	10 10		10.0		
29-Dec-23	Sunny	Calm	08:33	5.8	Surface	1	19.3 19.3	19.3	8.2 8.2	8.2	33.0 33.0	33.0	108.6 108.4	108.5	8.2 8.2	8.2	0.4 0.4	0.4	1.0	<2.5 <2.5	<2.5	<2.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-		
					Bottom	4.8	19.1 19.1	19.1	8.2 8.2	8.2	34.4 34.4	34.4	86.3 85.9	86.1	6.5 6.5	6.5	6.5	1.6 1.6		1.6	<2.5 <2.5		<2.5		

Remarks: *DA: Depth-Averaged **Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher.

The reporting limit for laboratory analysis of suspended solids is 2.5 mg/L. For the results below the reporting limit, the SS level will be taken as 2.5 mg/L for the calculation of depth-averaged value.

Contract No. CV/2022/03

Reconstruction of Leung Shuen Wan Pier, Sham Chung Pier and Sam Mun Tsai Village Pier
- Sam Mun Tsai Village Pier

Water Quality Monitoring Results at IM2 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Sampling Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)						
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
1-Dec-23	Fine	Calm	13:55	5.9	Surface	1	24.0 24.0	24.0	8.3 8.4	8.4	30.4 30.4	30.4	108.8 108.0	108.4	7.7 7.6	7.7	7.7	1.1 1.1	1.1	1.2	6 7	6.5	8.8		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-
					Bottom	4.9	24.0 24.0	24.0	8.1 8.1	8.1	30.7 30.7	30.7	87.7 87.3	87.5	6.2 6.2	6.2	6.2	1.3 1.3	1.3		1.3	11 11		11.0	
8-Dec-23	Sunny	Calm	09:22	5.9	Surface	1	22.9 22.9	22.9	8.1 8.1	8.1	31.0 31.0	31.0	94.4 93.6	94.0	6.8 6.7	6.8	6.8	0.8 0.8	0.8	1.1	7 7	7.0	8.0		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	
					Bottom	4.9	23.0 23.0	23.0	8.0 8.0	8.0	31.1 31.1	31.1	84.4 84.5	84.5	6.1 6.1	6.1	6.1	1.4 1.4	1.4		1.4	9 9		9.0	
11-Dec-23	Sunny	Calm	10:49	5.9	Surface	1	23.8 23.8	23.8	8.1 8.1	8.1	31.0 31.0	31.0	101.2 101.1	101.2	7.2 7.2	7.2	7.2	1.4 1.4	1.4	1.5	6 6	6.0	8.3		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	
					Bottom	4.9	23.4 23.4	23.4	8.0 8.0	8.0	31.1 31.1	31.1	90.7 90.4	90.6	6.5 6.4	6.5	6.5	1.5 1.6	1.6		1.6	11 10		10.5	
13-Dec-23	Cloudy	Calm	11:31	6	Surface	1	24.2 24.2	24.2	8.1 8.1	8.1	30.7 30.7	30.7	108.0 108.4	108.2	7.6 7.6	7.6	7.6	1.6 1.6	1.6	1.6	9 9	9.0	8.2		
					Middle	3	24.2 24.3	24.3	8.1 8.1	8.1	30.9 30.8	30.9	104.0 104.3	104.2	7.3 7.3	7.3	7.3	1.5 1.5	1.5		1.5	4 5		4.5	
					Bottom	5	23.8 23.8	23.8	8.1 8.1	8.1	31.3 31.2	31.3	93.5 93.3	93.4	6.6 6.6	6.6	6.6	1.7 1.7	1.7		1.7	11 11		11.0	
15-Dec-23	Fine	Calm	13:32	5.9	Surface	1	24.5 24.4	24.5	8.1 8.1	8.1	31.2 31.2	31.2	102.9 102.8	102.9	7.2 7.2	7.2	7.2	0.8 0.8	0.8	1.0	9 9	9.0	9.0		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	
					Bottom	4.9	23.7 23.6	23.7	8.0 8.0	8.0	31.9 32.0	32.0	92.0 91.5	91.8	6.5 6.5	6.5	6.5	1.1 1.1	1.1		1.1	9 9		9.0	
18-Dec-23	Cloudy	Calm	15:37	6	Surface	1	24.5 24.4	24.5	8.1 8.1	8.1	31.2 31.2	31.2	100.3 100.4	100.4	7.0 7.0	7.0	7.0	0.8 0.8	0.8	1.3	15 15	15.0	13.7		
					Middle	3	23.6 23.7	23.7	8.1 8.1	8.1	32.0 31.9	32.0	93.9 92.5	93.2	6.6 6.5	6.6	6.6	1.5 1.4	1.5		1.5	13 13		13.0	
					Bottom	5	23.7 23.7	23.7	8.1 8.1	8.1	31.9 31.9	31.9	91.9 91.3	91.6	6.5 6.4	6.5	6.5	1.5 1.5	1.5		1.5	13 13		13.0	
20-Dec-23	Cloudy	Calm	17:56	7	Surface	1	23.9 23.8	23.9	8.2 8.2	8.2	32.0 32.0	32.0	96.0 96.0	96.0	6.8 6.8	6.8	6.8	0.7 0.7	0.7	0.9	6 6	6.0	7.5		
					Middle	3.5	23.6 23.6	23.6	8.2 8.2	8.2	32.1 32.1	32.1	95.5 95.6	95.6	6.7 6.8	6.8	6.8	0.9 0.8	0.9		0.9	6 5		5.5	
					Bottom	6	23.6 23.6	23.6	8.2 8.2	8.2	32.1 32.1	32.1	94.7 94.2	94.5	6.7 6.6	6.7	6.7	1.0 1.0	1.0		1.0	11 11		11.0	
22-Dec-23	Fine	Calm	08:45	5.9	Surface	1	19.5 19.5	19.5	8.1 8.1	8.1	31.4 31.4	31.4	86.4 86.5	86.5	6.6 6.6	6.6	6.6	0.8 0.7	0.8	0.8	11 10	10.5	8.3		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	
					Bottom	4.9	19.4 19.4	19.4	8.1 8.1	8.1	31.9 31.9	31.9	86.4 86.0	86.2	6.6 6.6	6.6	6.6	0.8 0.8	0.8		0.8	6 6		6.0	
27-Dec-23	Sunny	Calm	12:53	5.9	Surface	1	18.6 18.6	18.6	8.2 8.2	8.2	33.5 33.5	33.5	101.4 101.4	101.4	7.8 7.8	7.8	7.8	1.4 1.4	1.4	1.5	9 9	9.0	11.0		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	
					Bottom	4.9	18.4 18.4	18.4	8.2 8.2	8.2	33.5 33.5	33.5	100.5 100.4	100.5	7.7 7.7	7.7	7.7	1.5 1.5	1.5		1.5	13 13		13.0	
29-Dec-23	Sunny	Calm	11:59	5.9	Surface	1	19.4 19.3	19.4	8.2 8.2	8.2	33.2 33.2	33.2	107.4 107.7	107.6	8.1 8.2	8.2	8.2	0.7 0.7	0.7	1.0	4 4	4.0	4.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	
					Bottom	4.9	19.2 19.2	19.2	8.2 8.2	8.2	34.0 34.0	34.0	90.8 90.1	90.5	6.9 6.8	6.9	6.9	1.2 1.2	1.2		1.2	5 5		5.0	

Remarks: *DA: Depth-Averaged **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Contract No. CV/2022/03

Reconstruction of Leung Shuen Wan Pier, Sham Chung Pier and Sam Mun Tsai Village Pier
- Sam Mun Tsai Village Pier

Water Quality Monitoring Results at IM2 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Sampling Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)						
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*				
1-Dec-23	Fine	Calm	10:30	5.7	Surface	1	23.9 23.9	23.9	8.1 8.1	8.1	30.3 30.4	30.4	101.0 99.3	100.2	7.2 7.0	7.1	7.1	0.4 0.4	0.4	0.6	7 7	7.0	11.5				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	-	-
					Bottom	4.7	24.0 24.0	24.0	8.0 8.0	8.0	31.0 30.9	31.0	89.6 89.3	89.5	6.3 6.3	6.3		6.3	0.8 0.8		0.8	16 16		16.0			
4-Dec-23	Fine	Calm	14:46	7	Surface	1	23.9 23.9	23.9	8.0 8.0	8.0	30.3 30.4	30.4	102.2 101.8	102.0	7.3 7.2	7.3	6.9	1.6 1.6	1.6	1.5	8 8	8.0	8.8				
					Middle	3.5	23.7 23.7	23.7	8.0 8.0	8.0	30.7 30.7	30.7	92.0 91.0	91.5	6.5 6.5	6.5		1.4 1.4	1.4		8 7	7.5					
					Bottom	6	23.7 23.7	23.7	8.0 8.0	8.0	31.2 31.3	31.3	87.8 87.2	87.5	6.2 6.2	6.2		6.2	1.4 1.4		1.4	11 11		11.0			
6-Dec-23	Fine	Calm	13:50	5.9	Surface	1	23.5 23.5	23.5	8.1 8.1	8.1	30.2 30.1	30.2	107.7 108.1	107.9	7.7 7.7	7.7	7.7	0.9 0.9	0.9	1.6	8 8	8.0	16.8				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	-	
					Bottom	4.9	23.6 23.7	23.7	8.0 8.0	8.0	31.6 31.5	31.6	88.5 88.5	88.5	6.3 6.3	6.3		6.3	2.2 2.2		2.2	26 25		25.5			
8-Dec-23	Sunny	Calm	14:10	6	Surface	1	23.4 23.4	23.4	8.1 8.1	8.1	31.0 31.0	31.0	96.0 96.2	96.1	6.8 6.9	6.9	6.9	1.1 1.1	1.1	1.1	7 7	7.0	10.8				
					Middle	3	23.2 23.3	23.3	8.1 8.1	8.1	31.1 31.0	31.1	95.1 95.0	95.1	6.8 6.8	6.8		1.2 1.2	1.2		11 11	11.0					
					Bottom	5	23.2 23.2	23.2	8.1 8.1	8.1	31.1 31.2	31.2	91.5 90.6	91.1	6.5 6.5	6.5		6.5	1.1 1.1		1.1	15 14		14.5			
11-Dec-23	Sunny	Calm	15:46	6	Surface	1	24.1 24.1	24.1	8.1 8.1	8.1	30.9 30.9	30.9	116.0 116.4	116.2	8.2 8.2	8.2	8.2	1.4 1.4	1.4	1.6	20 19	19.5	12.8				
					Middle	3	23.9 23.9	23.9	8.1 8.1	8.1	31.0 31.0	31.0	114.4 114.3	114.4	8.1 8.1	8.1		1.6 1.5	1.6		12 12	12.0					
					Bottom	5	23.5 23.5	23.5	8.1 8.1	8.1	31.3 31.5	31.4	92.6 93.2	92.9	6.6 6.6	6.6		6.6	1.9 1.9		1.9	7 7		7.0			
13-Dec-23	Cloudy	Calm	15:27	6	Surface	1	24.3 24.3	24.3	8.1 8.1	8.1	30.8 30.8	30.8	106.6 107.4	107.0	7.5 7.6	7.6	7.6	1.3 1.3	1.3	1.4	5 5	5.0	10.5				
					Middle	3	24.3 24.3	24.3	8.0 8.0	8.0	30.8 30.8	30.8	106.8 106.9	106.9	7.5 7.5	7.5		1.4 1.4	1.4		18 18	18.0					
					Bottom	5	24.0 23.9	24.0	8.0 8.0	8.0	31.1 31.2	31.2	89.2 88.9	89.1	6.3 6.3	6.3		6.3	1.4 1.5		1.5	8 9		8.5			
15-Dec-23	Fine	Calm	09:04	5.6	Surface	1	24.0 24.0	24.0	8.1 8.1	8.1	31.3 31.3	31.3	94.8 94.4	94.6	6.7 6.6	6.7	6.7	0.6 0.6	0.6	0.9	13 13	13.0	13.8				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-			
					Bottom	4.6	23.5 23.5	23.5	8.0 8.0	8.0	32.0 32.0	32.0	90.2 89.8	90.0	6.4 6.4	6.4		6.4	1.1 1.1		1.1	14 15		14.5			
18-Dec-23	Cloudy	Calm	11:20	5.8	Surface	1	24.0 24.0	24.0	8.2 8.2	8.2	31.3 31.3	31.3	92.9 93.1	93.0	6.5 6.6	6.6	6.6	0.7 0.7	0.7	1.1	10 10	10.0	10.3				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-			
					Bottom	4.8	23.5 23.5	23.5	8.2 8.2	8.2	32.1 32.0	32.1	83.7 83.2	83.5	5.9 5.9	5.9		5.9	1.4 1.4		1.4	10 11		10.5			
20-Dec-23	Cloudy	Calm	13:39	5.9	Surface	1	23.6 23.6	23.6	8.2 8.2	8.2	32.1 32.0	32.1	91.6 91.7	91.7	6.5 6.5	6.5	6.5	0.9 0.9	0.9	1.0	5 6	5.5	6.3				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-			
					Bottom	4.9	23.4 23.4	23.4	8.2 8.2	8.2	32.1 32.1	32.1	90.4 90.3	90.4	6.4 6.4	6.4		6.4	1.1 1.1		1.1	7 7		7.0			
22-Dec-23	Fine	Calm	13:43	5.9	Surface	1	19.8 19.8	19.8	8.1 8.1	8.1	31.4 31.4	31.4	89.0 88.7	88.9	6.8 6.7	6.8	6.8	0.8 0.8	0.8	1.0	9 8	8.5	14.8				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-			
					Bottom	4.9	19.3 19.3	19.3	8.1 8.1	8.1	31.9 31.9	31.9	84.1 83.5	83.8	6.4 6.4	6.4		6.4	1.1 1.1		1.1	21 21		21.0			
27-Dec-23	Sunny	Calm	16:55	7	Surface	1	18.9 18.9	18.9	8.2 8.2	8.2	33.4 33.4	33.4	105.1 105.2	105.2	8.0 8.0	8.0	8.1	0.7 0.8	0.8	0.9	7 7	7.0	13.5				
					Middle	3.5	18.6 18.6	18.6	8.2 8.2	8.2	33.5 33.5	33.5	105.2 105.2	105.2	8.1 8.1	8.1		0.9 0.9	0.9		11 11	11.0					
					Bottom	6	18.6 18.6	18.6	8.2 8.2	8.2	33.5 33.5	33.5	102.0 101.9	102.0	7.8 7.8	7.8		7.8	1.1 1.1		1.1	23 22		22.5			
29-Dec-23	Sunny	Calm	09:04	5.7	Surface	1	19.2 19.2	19.2	8.2 8.2	8.2	33.3 33.3	33.3	106.2 106.3	106.3	8.1 8.1	8.1	8.1	0.7 0.7	0.7	1.1	8 8	8.0	7.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-			
					Bottom	4.7	19.2 19.2	19.2	8.1 8.1	8.1	34.1 34.1	34.1	83.7 83.1	83.4	6.3 6.3	6.3		6.3	1.4 1.4		1.4	6 6		6.0			

Remarks: *DA: Depth-Averaged **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.