

Appendix 10.2 Breakdown of Annual Quantity of Materials Disposal

	2010	2011	2012	2013	2014	Sub-Total
	(X 1,000 m ³)					
Tunnel Between Boundary at Huangang and Ngau Tam Mei						
Soft Inert Materials	54.0	-	-	-	-	54.0
Grade I/II Granites	-	-	-	-	-	-
Grade III/IV Granites	-	-	-	-	-	-
Volcanics	-	-	-	-	-	-
Wet Spoil	-	-	261.7	87.2	-	348.9
Artificial Hard Materials – Bitumen	-	-	-	-	-	-
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	1.0	0.3	0.3	0.3	1.0	3.0
Tunnel Between Ngau Tam Mei and Tai Kong Po						
Soft Inert Materials	-	-	-	-	-	-
Grade I/II Granites	-	-	-	-	-	-
Grade III/IV Granites	-	-	-	-	-	-
Volcanics	-	-	292.1	97.4	-	389.5
Wet Spoil	-	2.3	-	-	-	2.3
Artificial Hard Materials – Bitumen	-	-	-	-	-	-
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	0.4	0.4	0.4	0.4	0.4	2.0
Tunnel Between Tai Kong Po and Tse Uk Tsuen						
Soft Inert Materials	-	1190.0	-	-	-	1190.0
Grade I/II Granites	-	-	-	-	-	-
Grade III/IV Granites	-	-	-	-	-	-
Volcanics	-	-	-	-	-	-
Wet Spoil	23.0	93.7	190.1	-	-	306.9
Artificial Hard Materials – Bitumen	-	-	-	-	-	-
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	1.4	0.8	0.8	0.8	2.4	6.1
Tunnel Between Tse Uk Tsuen and Shek Yam						
Soft Inert Materials	2.7	20.5	-	-	-	23.2
Grade I/II Granites	58.5	530.0	25.0	-	-	613.5

	2010	2011	2012	2013	2014	Sub-Total
	(X 1,000 m ³)					
Grade III/IV Granites	-	-	-	-	-	0
Volcanics	-	-	457.7	315.7	-	773.4
Wet Spoil	3.9	1.5	-	-	-	5.4
Artificial Hard Materials – Bitumen	-	-	-	-	-	-
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	0.4	0.4	0.4	0.4	0.4	2.0
Tunnel Between Shek Yam and Mei Lai Road						
Soft Inert Materials	-	-	-	-	-	-
Grade I/II Granites	-	202.7	456.2	-	-	658.9
Grade III/IV Granites	-	-	-	-	-	-
Volcanics	-	-	-	-	-	-
Wet Spoil	-	-	-	-	-	-
Artificial Hard Materials – Bitumen	-	-	-	-	-	-
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	0.4	0.4	0.4	0.4	0.4	2.0
Tunnel Between Mei Lai Road and Mong Kok West						
Soft Inert Materials	17.4	67.6	-	-	-	85.0
Grade I/II Granites	-	-	-	-	-	-
Grade III/IV Granites	2.5	39.6	-	-	-	42.1
Volcanics	-	-	-	-	-	-
Wet Spoil	5.0	-	382.4	104.3	-	491.6
Artificial Hard Materials – Bitumen	-	-	-	-	-	-
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	1.8	0.8	0.8	0.8	1.8	6.0
Tunnel Between Mong Kok West and West Kowloon						
Soft Inert Materials	-	160.7	280.3	-	-	441.0
Grade I/II Granites	-	-	-	-	-	-
Grade III/IV Granites	11.6	11.6	-	-	-	23.2
Volcanics	-	-	-	-	-	-
Wet Spoil	33.5	29.8	-	-	-	63.3
Artificial Hard Materials – Bitumen	-	-	-	-	-	-

	2010	2011	2012	2013	2014	Sub-Total
	(X 1,000 m ³)					
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	1.0	0.3	0.3	0.3	1.0	3.0
Works at West Kowloon Terminus						
Soft Inert Materials	185.0	1998.6	363.7	418.4	-	2965.7
Grade I/II Granites	-	-	-	-	-	-
Grade III/IV Granites	-	97.2	10.8	167.9	-	275.9
Volcanics	-	-	-	-	-	-
Wet Spoil	292.6	-	-	-	-	292.6
Artificial Hard Materials – Bitumen	-	-	-	-	-	-
Artificial Hard Materials – Broken Concrete	-	-	-	-	-	-
Non-inert C&D Materials	2.0	0.6	0.6	0.6	2.0	5.9
Total Quantity of C&D Materials Disposed of (with materials reused in other projects and facilities)						5813.7⁽³⁾
Total Quantity of C&D Materials Disposed of if all reuse outlets exhausted						9076.3

Notes:

1. Grade III/IV Granites & Volcanics = Rock other than Grade I/II Granites in the text
2. Figures may not add up to total due to rounding off
3. It is estimated that 3,262,600 m³ materials could be reused off-site in HZMB. These figures would be further revised due to updated construction programme and volume of suitable C&D materials. 1,320,000m³ of granites for reuse as concrete aggregate is not included in disposal programme.