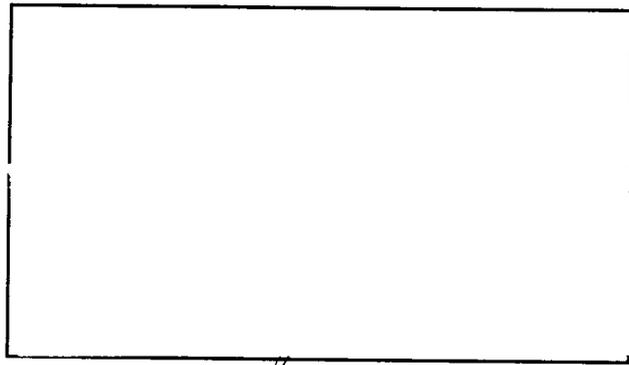


Agreement No. CE 46/96

Feasibility Study on Alternative  
Alignment for the Western Coast  
Road, TKO : *EIA Environmental  
Monitoring and Audit Manual*

27 August 1999

Reference C1609



**FEASIBILITY STUDY ON THE ALTERNATIVE ALIGNMENT FOR THE  
WESTERN COAST ROAD, TSEUNG KWAN O  
ENVIRONMENTAL IMPACT ASSESSMENT STUDY:  
Environmental Monitoring and Audit Manual**

<b>CONTENT</b>	<b>Page</b>
1. INTRODUCTION	1-1
1.1 Background	1-1
1.2 Purpose of the Manual	1-1
1.3 Project Description	1-2
1.4 Construction Phase	1-4
1.5 Operation	1-5
1.6 Sensitive Receivers	1-6
1.7 Summary of the EIA Study	1-9
1.8 Environmental Monitoring & Audit Requirements	1-10
1.9 Project Organisation	1-10
2. AIR QUALITY	2-1
2.1 Introduction	2-1
2.2 Air Quality Parameters	2-1
2.3 Monitoring Equipment	2-2
2.4 Laboratory Measurement / Analysis	2-3
2.5 Monitoring Locations	2-3
2.6 Baseline Monitoring	2-4
2.7 Impact Monitoring	2-6
2.8 Event and Action Plan for Dust and Tunnel Air Quality	2-6
2.9 Air Quality Mitigation Measures	2-7
3. NOISE	3-1
3.1 Introduction	3-1
3.2 Noise Parameters	3-1
3.3 Monitoring Equipment	3-1
3.4 Monitoring Locations	3-2
3.5 Baseline Monitoring	3-3
3.6 Impact Monitoring	3-3
3.7 Event and Action Plan for Noise	3-4
3.8 Noise Mitigation Measures	3-6
4. WATER QUALITY	4-1
4.1 Water Quality Parameters	4-1
4.2 Monitoring Equipment	4-1
4.3 Laboratory Measurement / Analysis	4-3
4.4 Monitoring Locations	4-4
4.5 Baseline Monitoring	4-5
4.6 Impact Monitoring	4-5
4.7 Event and Action Plan for Water Quality	4-6
4.8 Water Quality Mitigation Measures	4-9

5.	WASTE MANAGEMENT	5-1
5.1	Introduction	5-1
5.2	Waste Management Mitigation Measures	5-1
6.	ECOLOGY	6-1
6.1	Introduction	6-1
6.2	Mitigation Measures	6-1
7.	LANDSCAPE AND VISUAL IMPACTS	7-1
7.1	Introduction	7-1
7.2	Mitigation Measures	7-1
8.	CULTURAL HERITAGE	8-1
8.1	Introduction	8-1
8.2	Mitigation Measures	8-1
9.	SITE ENVIRONMENTAL AUDIT	9-1
9.1	Site Inspections	9-1
9.2	Compliance with Legal and Contractual Requirements	9-1
9.3	Environmental Complaints	9-2
10.	REPORTING	10-1
10.1	General	10-1
10.2	Baseline Monitoring Report	10-1
10.3	EM&A Reports	10-2
10.4	Data Keeping	10-7
10.5	Interim Notifications of Environmental Quality Limit Exceedances	10-7
11.	EIA REPORTING IMPACT SUMMARY AND IMPLEMENTATION SCHEDULE OF MITIGATION MEASURES	11-1
11.1	EIA Report Summary	11-1
11.2	Implementation Schedule of Mitigation Measures	11-1

**FIGURES :**

1.1a	WCR Study Area
1.4a-1	Implementation Programme
1.4a-2	Implementation Programme
1.4b	Construction Areas
1.4c	TKO Section Reclamation
1.4d	Yau Tong Coastal Reclamation - Phase 1
1.4e	Yau Tong Coastal Reclamation - Phase 2
1.4f	Yau Tong Coastal Reclamation - Phase 3
1.5a	Traffic Figures For The Year 2021
1.9a	Project Organisation And Lines Of Communication With Respect To The EM&A Programme
2.5a	WCR, TKO Yau Tong - Location Of Dust Monitoring Stations
3.4a	WCR, TKO Yau Tong Reclamation Area Construction Noise Monitoring Locations
3.4b	WCR, TKO - Construction Noise Monitoring Locations
3.4c	WCR, TKO Yau Tong Reclamation Area Operational Noise Monitoring Locations
4.4a	TKO Section Reclamation - Water Quality Monitoring Stations
4.4b	Yau Tong Coastal Reclamation - Water Quality Monitoring Stations
9.3a	Complaint Response Procedures - Action Flow Chart

**ANNEX A PROFORMA EM&A PROGRAMME**

**ANNEX B SENSITIVE RECEIVER LOCATIONS**

- B-1 Air Quality Sensitive Receivers
- B-2 Noise Sensitive Receivers
- B-3 Water Sensitive Receivers
- B-4 Cultural Resources Sensitive Receivers