Contract No.: DC/2007/06 River Improvement Works in Upper Lam Tsuen, She Shan River and Upper Tai Po River

ENVIRONMENTAL MONITORING AND AUDIT MONTHLY EM&A REPORT of UPPER TAI PO RIVER

for April 2012

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Executive summary

This is the forty forth monthly Environmental Monitoring and Audit (EM&A) Report for the river improvement works at Upper Tai Po River under Drainage Services Department Contract No. DC/2007/06 entitled "River Improvement Works in Upper Lam Tsuen River, She Shan River and Upper Tai Po River". This report concludes the impact monitoring for the activities undertaken during the period from 1st April 2012 to 30th April 2012. Construction of box culverts, retaining wall TR3, TR5A, TR6, stilling basin, inclined gabion/no-fines mass concrete walls, gabion wall and additional boulder trap were the major site activities being carried out in this reporting period.

The Environmental Team (ET) is responsible for the EM&A works required in the EM&A manual. Site inspections were carried out on weekly basis to investigate and audit the equipment and work methodologies with respect to pollution control and environmental mitigation. The weekly inspections records and photos taken were kept.

The next ecological impact monitoring was arranged in July 2012. The summary of ecological site inspection findings and implementation status of environmental protection and mitigation for ecology, prepared by the Ecologist, are provided in table 6.2 and Appendix G respectively.

Environmental Team had carried out construction noise monitoring on weekly basis and no exceedance was found. Noise monitoring records for the reporting month and the data are presented in Section 4. The location plan and the graphical plots presenting the data are provided in Appendix D.

Piling works has been omitted. Therefore, no vibration monitoring was conducted by ET during the reporting month.

There was no non-compliance events recorded in this reporting month.

There was no formal complaint in relation to environmental issue received in the reporting month.

There was no breach of action and limit levels for this reporting month.

There was no reporting change for this month.

Construction of inclined gabion/no-fines mass concrete wall, retaining walls, gabion walls, footbridge, stilling basin, riverbed formation and additional boulder trap would be carried out in the upcoming month.

ET has reminded the contractor to provide environmental pollution control measures wherever necessary and to keep a good environmental management at site practice.

1.0 Introduction

This is the forty forth monthly Environmental Monitoring and Audit (EM&A) Report for the river improvement works at Upper Tai Po River under Drainage Services Department Contract No. DC/2007/06 entitled "River Improvement Works in Upper Lam Tsuen River, She Shan River and Upper Tai Po River". The site layout plan is shown in Figure 2.1. The Environmental Team, Environmental Pioneers & Solutions Limited appointed by Chiu Hing Construction and Transportation Company Limited, prepares the report. The report is to be submitted to the Contractor, the Engineer and the IEC.

This report presents the results of the environmental monitoring of the project activities for Upper Tai Po River conducted during the month of April 2012. This included regular site inspections once per week for verification of implementation of the mitigation measures as recommended in the Environmental Permit (EP-223/2005/A) (EP), EM&A Manual and the Contractor's Environmental Management Plan (EMP).

2.0 Environmental status

2.1 Project area

The location of the project site – Upper Tai Po River starts from Ta Tit Yan of Yai Mo Shan, flows from southeast to northeast alongside Wilson Trail, turning northward before joining the Lam Tsuen River and then runs towards Tai Po Market. For the east of the river, there are active and abandoned cultivated lands. Village settlements are mainly located on the west and northeast side of the river bank, where the San Uk Ka and Lai Chi Shan establishment also lie. The Project site is indicated in **Figure 2.1.**

2.2 Construction programme

Approximately 0.6km of Upper Tai Po River will be improved to enhance the hydraulic performance of the river. The improvement works comprise the following:

- (1) Re-profiling and realignment of the Channel;
- (2) Inclusion of gabions and retaining wall for bank protection whilst providing a natural channel bed; and
- (3) Re-provisioning of footbridges and footpaths along the channel

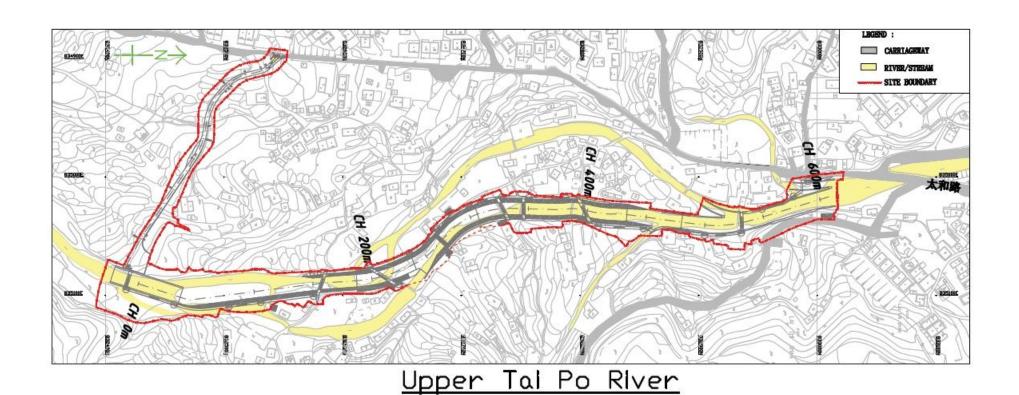
The construction of the proposed improvement works for Upper Tai Po River has been commenced on September 15th 2008 and anticipated to complete in December 2012.

2.3 Proposed construction sequences

The proposed construction sequences are shown in the following:

- (1) Site clearance and preparation works
- (2) Construction of the maintenance access which involves the construction of retaining walls
- (3) River channel construction and excavation, involving the excavation works, construction of retaining walls and gabion walls
- (4) Construction of additional boulder trap and additional stilling basins with baffle blocks
- (5) Provision of riverbed treatment
- (6) Re-provisioning of footbridges
- (7) Construction of footpaths
- (8) Landscaping works

Fig 2.1 Layout of construction area



2.4 Construction activities for the reporting period

Major construction activity carried out by the contractor during this reporting period includes:

- 1.) Construction of Box Culverts
- 2.) Construction of Retaining Wall TR3, TR5A, TR6
- 3.) Construction of Stilling Basin
- 4.) Construction of Inclined Gabion/No-Fines Mass Concrete Wall
- 5.) Construction of Additional Boulder Trap

2.5 Construction activities for the next reporting period

Major construction activities carried out by the contractor anticipated for the coming month include:

- 1.) Construction of Retaining Walls
- 2.) Construction of Gabion walls
- 3.) Construction of Footbridge
- 4.) Riverbed Formation
- 5.) Construction of Inclined Gabion/No-fines Mass Concrete wall
- 6.) Construction of Stilling Basin
- 7.) Construction of Additional Boulder Trap

2.6 Exceedance with the environmental performance limits

There was no exceedance with the environmental performance limits for this reporting month. The event and action plan for Ecology is shown in Appendix A. The action and limit level for Noise is shown in Appendix B. The reference standards for vibration are shown in Appendix C.

2.7 Summary of complaints

No formal complaint in relation to environmental issue was received in the reporting month. In total, twenty-four complaints had been received since the commencement of the contract. The cumulative complaint log is shown in Appendix F.

3.0 Ecological monitoring results

No ecological survey was carried out in this reporting period. The next ecological impact monitoring was arranged in July 2012.

4.0 Noise monitoring results

In accordance with the EM&A Manual, monitoring locations were established at 11 N.S.R. locations. The descriptions of all 11 N.S.R. are shown in Table 4.1.

TABLE 4.1 Description of Noise Sensitive Receivers

Sensitive Receiver	Location and Description				
No.					
UTP1	54B, Sheung Wun Yiu				
UTP2	Village House in Lai Chi Shan				
UTP3	Village House near Upper Tai Po River				
UTP4	Village House near Upper Tai Po River				
UTP5	Village House near Upper Tai Po River				
UTP6	Village House near Upper Tai Po River				
UTP7	Village House near Upper Tai Po River				
UTP8	Village House near Upper Tai Po River				
UTP9	49A, Pun Shan Chau				
UTP10	Village House near the proposed access road				
UTP11	49G, San Uk Ka				

Noise monitoring was carried out by the Environmental Team on weekly basis for this reporting month. The scheduled monitoring dates were 2^{nd} , 13^{th} , 19^{th} and 26^{h} April 2012. Due to the adverse weather on 19^{th} April 2012, the weekly noise monitoring on that day was cancelled. Measured $L_{eq~(30min)}$ results ranged from 51.8dB(A) to 73.5dB(A).

For further details of the monitoring results, graphical plots and the location plan, please refer to the Appendix D.

5.0 Vibration monitoring results

There was no vibration monitoring results for this reporting month. Vibration monitoring will be started once the piling works start in Upper Tai Po River.

6.0 Environmental issues and actions

6.1 Site inspections and key environmental issues

Site inspections were undertaken routinely to inspect the construction activities in Upper Tai Po River to ensure that appropriate environmental protection and pollution control mitigation measures are properly implemented. Implementation status of environmental protection and mitigation measures is shown in Appendix G.

Within this reporting month, site inspections were conducted on 3rd, 11th, 18st and 25th April 2012. A detailed checklist of each site inspections together with comments and relevant photos have been filed and kept for record. The findings from inspections were summarized in Table 6.1.

Ecological inspections by the Ecologist Dr. Mark Shea were carried out on 2nd, 10th, 16th, 23rd and 30th April 2012. Details of findings were summarized in Table 6.2.

According to the Ad-hoc meeting amongst DSD, IEC, ET, ER and Contractor held on 14 March 2012 regarding the recently received non-compliances/complaints on muddy water, additional measures had been proposed, including provision of sedimentation tank at TB02 & TB03 and stop discharge the muddy water directly into the river, improvement of earth bund and provision of sedimentation tank for treating the muddy water from wheel washing bay at ch.600, and provision of additional sedimentation tank at ch.600 to ensure sufficient capacity of the sedimentation process. A checklist for monitoring the implementation status of the abovementioned measures has been prepared by Contractor and weekly checking and updating of the checklist would be carried out by the Environmental Officer. The updated checklist for April is attached in Appendix J.

Table 6.1 Summary results of site inspections findings

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
6 Oct 11	Noise barriers were not yet erected by Contractor along UTPR.		Since more frequent construction works is expected in dry season, serious noise nuisance may be generated to the village nearby. Contractor was urged to install noise barriers to minimize the noise impact arisen from construction activities.		Ongoing	
22 Feb 12	The tree protective nets were observed to be damaged at ch.0 & 50 and	Observation	Contractor was recommended to closely monitor the retained trees and urged to repair or replace	_	25 Apr 12	

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
	the condition of the retained trees was poor.		the fence for proper protection of the retained trees.			
14 Mar 12	Some construction material was observed to be placed inside the river channel at ch.100.	Observation	Contractor was urged to relocate the construction material away from the river to avoid river pollution and maintain good housekeeping.	To be followed during the next reporting period.	Ongoing	
14 Mar 12	Muddy surface runoff was observed at ch.200 as insufficient bunding and geo-textile was observed leading to overflow of muddy water.	Observation	Contractor was advised to modify the bunding to avoid overflow of muddy water. Contractor was reminded to diverge the muddy runoff to sedimentation tank for proper treatment before discharged.	Additional bunding for the pond was provided by Contractor to prevent overflow of accumulated muddy surface runoff.	3 Apr 12	
21 Mar 12	The access road around ch.0 was very dry and dusty.	Observation	Contractor was reminded to provide frequent water spraying for dust suppression.	The access road along ch.0 was wet and no fugitive dust was observed.	18 Apr 12	
3 Apr 12	No particular observation.					
11 Apr 12	Two rock breakers were being operated at the same time during inspection at ch.0 without sufficient mitigation measure.	Observation	Contractor was seriously advised to wrap the breaker tip with sound insulating material and provide water spraying facility to minimize the noise and dust impact to the nearest sensitive receivers. Also, Contractor was recommended to prohibit operating more than one rock breakers at the same time to avoid exceeding the noise limit.	The breaker tip of the rock breaker was wrapped with sound insulating material. As it was raining during the inspection, no fugitive dust was observed during the rock breaking process. Contractor was reminded to provide water sprayer when the weather condition is dry.		
11 Apr 12	Oil leakage from a construction vehicle at ch.0 was observed.	Observation	Contractor was reminded to remove the contaminated soil as chemical wastes. Contractor was recommended to provide regular maintenance to vehicles and equipments to avoid oil leakage.			
18 Apr 12	The tree fencing at ch.0 was damaged by a back hoe.	Observation	Contractor was advised to repair the fence for protecting the retained tree as soon as possible. Contractor was reminded to avoid carrying out works near the tree protection zone.	The tree fencing at ch.0 was repaired for proper tree protection.	25 Apr 12	
18 Apr 12	Construction vehicles operated within the river channel and at the river bank were observed at ch.100 which seriously contaminated the river.	Observation	Contractor was urged to relocate the vehicles immediately and provide bunding or sandbag barriers at the river bank for protecting the river.	Improvement on riverbank was observed at ch.100 and no construction vehicle was observed near the concerned area.	25 Apr 12	
18 Apr 12	The river water at ch.500 was observed to be very muddy for a short period of time.	Observation	Contractor was urged to trace the source of pollution and stop further contamination to the river. Necessary mitigation measures on water pollution should be implemented including provision of de-silting facilities for treating contaminated site water before discharge, geo-textile covering for exposed soil surface, etc. Contractor was seriously	Although the quality of river water at ch.500 was satisfactory, direct discharge of untreated site water was observed. Contractor was urged to provide de-silting facilities for treating contaminated site water before discharge as required in Discharge Permit. Contractor was	Ongoing	

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
			reminded that direct discharge of untreated site water into river is an environmental offence.	reminded that direct discharge of untreated site water into river is an environmental offence.		
25 Apr 12	The accumulated water in the wheel washing bay at ch.600 was full and muddy.	Observation	Contractor was advised to remove the muddy water and provide maintenance to the wheel washing bay for ensuring the effectiveness of dirt removal of vehicles before leaving the site.	To be followed during the next reporting period.	Ongoing	
25 Apr 12	The outlet of the sedimentation tank at ch.600 was blocked leading to overflow of untreated muddy site water.	Observation	Contractor was urged to diverge the site water to the adjacent standby sedimentation tank for treating the site water before discharge. Contractor was reminded to provide regular maintenance for sedimentation tank to ensure proper operation of sedimentation tank.	To be followed during the next reporting period.	Ongoing	

The summary of ecological inspection prepared by the Ecologist, Dr. Mark Shea is shown in Table 6.2.

Table 6.2 Summary results of ecological site inspection findings						
Date	Observations	tions Advice from Action Taken		Closing Date		
		Ecologist				
02 April	No Major findings for this	No Advice is	No Action is required	N/A		
2012	inspection	required	to be taken			
10 April	No Major findings for this	No Advice is	No Action is required	N/A		
2012	inspection	required	to be taken			
16 April	No Major findings for this	No Advice is	No Action is required	N/A		
2012	inspection	required	to be taken			
23 April	No Major findings for this	No Advice is	No Action is required	N/A		
2012	inspection	required	to be taken			
30 April	No Major findings for this	No Advice is	No Action is required	N/A		
2012	inspection	required	to be taken			

6.2 Non-compliance

There was no non-compliance events recorded in this reporting month.

6.3 Recommendations

Contractor was reminded that all the measures stated in the Environmental Permit should be followed. Contractor was advised that excavation work shall be carried out in sections and in enclosed dewatered condition. Dewatering of the excavation area should be carried out prior to excavation work. All site water shall be well de-silted and treated before discharge. Regular checking and maintenance on the de-silting facilities should be provided to ensure sufficient capacity for treating the site water. Also, sufficient temporary earth bunds and barriers should be used to entirely enclose the excavation area and exposed slope surface should be covered (e.g. by tarpaulin sheet) to prevent river contamination. Contractor was reminded that discharge of contaminated water is an environmental offence and should be prohibited.

Contractor should also implement necessary measures to mitigate air quality impact from construction works. Earthy stockpiles should be covered with tarpaulin coverings and dusty static area should be dampened regularly for dust suppression.

In order to minimize the noise impact to the noise sensitive receivers, Contractor was reminded to implement proper mitigation measures as stated in Environmental Permit and EM&A Manual, i.e. erecting 2m high noise barriers at locations stated in Environmental Permit, orientating noisy plants away from the nearby NSRs, using movable barriers and acoustic mat, etc.

6.4 Implementation status and effectiveness of the mitigation measures

Referring to the table 6.1 and Section 6.2, contractor was seriously recommended to implement necessary mitigation measures to address environmental problem arisen from site activities.

7.0 Waste management status

It is the contractor's responsibility to ensure that all wastes produced during construction phase for the drainage improvement works are handled, stored and disposed in accordance with good waste management practices and EPD's regulation and requirement. Waste materials generated during construction activities such as construction and demolition (C&D) material, chemical wastes and general refuse, are recommended to be audited at regular intervals to ensure that proper storage, transportation and disposal practices are being implemented. **Table 7.1** is the Waste Disposal recorded by the Contractor in this month.

From the report of Contractor, majority of the C&D materials generated were reused at Lam Tsuen River for rock filling. Remaining inert waste, together with non-inert waste, was sent to the North East New Territories (NENT) Landfill. Chemical waste were first collected by a black plastic bag with labeling (collection point, chemical name, producer's name), then placed into the Chemical Storing Area for temporary storage. A licensed collector was appointed for the collection and disposal of the chemical waste. All chemical waste was transported to the Chemical Waste Treatment Centre (CWTC). The following table showed the amount of waste generation, reused and disposed from this project site in this reporting month.

The following table showed amount of waste generation, reused and disposed from this project site in this reporting month.

Table 7.1 Summary of Waste generated and disposed in April 2012

Type of waste	Amount generated	Amount reused	Amount disposed
Inert waste	710 m ³	575 m ³	135 m ³
Non-inert waste	30 kg	0	30 kg
Chemical waste	0	N/A	0

The cumulative waste flow table is shown in Appendix H.

8.0 Status of environmental licensing and permit

This project requires different permits and licenses to be run legally. **Table 8.1** is the summary of permits/licenses for this project.

Table 8.1 Summary of Environmental Licensing and Permit Status

Description	License / Permit No.	Date of Issue	Date of Expiry	Remarks
Environmental	EP-223/2005	31 st Aug, 2005	N/A	Superseded by
Permit				EP-223/2005/A
Amended	EP-223/2005/A	18 th Nov, 2008	N/A	Issued
Environmental				
Permit				
Construction Noise	N/A	N/A	N/A	N/A
Permit				
Effluent Discharge	3678	14 th Mar, 2008	31 st Mar, 2013	Issued
License				
Registration as a	5213-724-C3251-03	19 th Dec, 2007	Not applicable	Issued
Chemical Waste				
Producer				
Billing Account for	7006101	N/A	N/A	N/A
Disposal of				
Construction Waste				

9.0 Future key issues

Construction of inclined gabion/no-fines mass concrete wall, retaining walls, gabion walls, footbridges, stilling basin, riverbed formation and additional boulder trap would be carried out in the upcoming month. The construction activities for these items will generate environmental impacts in several aspects.

For the proposed construction activities, heavy plants and vehicles may be occupied and those would generate certain noise impacts to the sensitive receivers. To minimize noise generation, noisy activities should be well planned and scheduled to avoid parallel operation of multiple plants. Erection of noise barriers and/or movable barriers should be implemented whenever necessary.

To minimize water quality impact arising from construction activities within river channel, water quality mitigation measures should be implemented as far as practicable. Any muddy water, underground water or wastewater generated from construction activities should be diverted to proper treatment facility prior to discharge.

Contractor was reminded to provide regular water spraying to dusty static area for dust suppression. Excessive storage of earthy stockpile and/or C&D wastes should be prevented to minimize air quality impact arisen by wind erosion.

At the onset of wet season, Contractor was reminded that construction material and equipments should be relocated away from the river channel to prevent blocking the river during rainfall. Stagnant water should be removed to prevent mosquito breeding. Exposed soil stockpile and river bank should be covered to prevent erosion and to minimize siltation during rainfall.

Aforementioned construction works may generate wastes on site. Contractor is advised to assign a site area for temporary waste storage and segregation. Wastes accumulation should be prevented on site; licensed waste collection and disposal should be implemented regularly for hygiene issues.

10.0 Conclusion

Construction of box culverts, retaining wall TR3, TR5A, TR6, stilling basin, inclined gabion/no-fines mass concrete wall, gabion wall and additional boulder trap were the major site activities being carried out in this reporting period.

Regular site meetings and inspection audits led by the seniors for discussing environmental issues were held among project proponent, Contractor and the Environmental Team on weekly basis.

Environmental Team had carried out construction noise monitoring on weekly basis. All results obtained were within limit and therefore no exceedance was recorded in this reporting month.

Piling works has been omitted. Therefore, no vibration monitoring was conducted during the reporting month.

From the summary of ecological site inspection findings and implementation status of environmental protection and mitigation for ecology, prepared by the Ecologist Dr. Mark Shea, there is no abnormal finding observed in the reporting month. The ecologist has no further advice and no action suggested to the contractor.

The next ecological impact monitoring was arranged in July 2012.

There was no non-compliance events recorded in this reporting month.

There was no formal complaint in relation to environmental issue received in the reporting month.

The ET will continue to implement the environmental monitoring & audit programme in accordance with the EM&A Manual and Environmental Permit requirement.

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Appendix A: Event and action plan for ecology

Event and action plan for ecology

In the event of non-compliance, the Event / Action plan prepared by the ecologist shall be followed. Detailed Event/ Action plan was shown in **Appendix Table 1** for reference.

It is not proposed to set population size of the three species (i.e. Three-lined Chinese Stream Catfish, Predaceous and the Hong Kong Newt) or other faunal species for the Action Level and Limit Level in the revised EM&A manual in considering the following reasons:

- I. The schedule capture surveys would let to decrease in the populations of the target species; and
- II. The planned drainage works would also temporally de-fauna the stream habitat.

It is considered logical and appropriate to audit non-compliance events in relation with ecological mitigation measures, which were specified in the EP and the PS of the project.

APPENDIX TABLE 1 Event / Action plan table for Ecology

Event				Action				
Event		ET		ER		IEC	(Contractor
Non-confor	1.	Identify Source	1.	Check report	1.	Ensure	1.	Amend
mity on one	2.	Inform the IEC and the	2.	Check the Contractor's		Remedial		working
occasion		ER		working method		measures are		methods
	3.	Discuss remedial actions	3.	Discuss with the ET and		properly	2.	Rectify
		with the IEC, the ER and		the Contractor on possible		implemented		damage and
		the Contractor		remedial measures,				undertake
	4.	Monitor remedial actions	4.	Advise the Contractor on				any
		until rectification has been		effectiveness of proposed				necessary
		completed		remedial measures				replacement
			5.	Check implementation of				
				remedial measures				
Repeated	1.	Identify Source	1.	Check monitoring report	1.	Ensure	1.	Amend
Non	2.	Inform the IEC and the	2.	Check the Contractor's		Remedial		working
conformity		ER		working method		measures		methods
	3.	Increase monitoring	3.	Discuss with the ET and		are properly	2.	Rectify
		frequency		the Contractor on possible		implemented		damage and
	4.	Discuss remedial		remedial measures				undertake
		actions with the IEC,	4.	Advise the Contractor on				any
		the ER and the		effectiveness of proposed				necessary
		Contractor		remedial measures				replacement
	5.	Monitor remedial	5.	Check implementation of				
		actions until rectification		remedial measures				
		has been completed						
	6.	If exceedance stops,						
		cease additional						
		monitoring						

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Appendix B: Action and limit level for const	truction noise

The Action and Limit levels for construction noise are defined in Appendix Table 2

Appendix Table 2: Action and Limit Levels for Construction Noise

Time Period	Action	Limit
0700 – 1900 hrs on normal weekdays	When one	75 dB(A)*
0700 - 2300hrs on holidays; and 1900 - 2300 hrs on all	documented	Subject to the control of
other days	complaint is	Noise Control
	received	Ordinance
2300 – 0700 hrs of next day		Subject to the control
		of Noise Control
		Ordinance

^{*}Limit level set in accordance with Particular Specification Section 26

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Appendix C: Reference standards for vibration	

Guidance regarding vibration limits is provided by the following British Standards (or their equivalent ISO standards):

BS 7385 - Measurement and evaluation of vibration in buildings. Part 2: Guide to damage levels from ground borne vibration.

BS 7385 suggests vibration levels, below which damage is unlikely to occur in 95% of buildings. For cosmetic damage, the level is 15 mm/s at 4 Hz, increasing to 20 mm/s at 15 Hz, increasing to 50 mm/s at 40 Hz and above. Minor structural damage is possible at vibration levels twice those given above, major damage at four times the levels given.

Appendix Table 3: Transient vibration guide values for cosmetic building damage (BS7385:Part 2 1993)

	Type of Building	Peak component particle velocity (mm/s) in			
		frequency range of predominant pulse			
1	Reinforced or framed structures	50 at 4 Hz and above			
2	Un-reinforced or light framed structures	15 at 4 Hz, increasing to 20 at 15 Hz, increasing to 50 at 40 Hz and above.			

The vibration magnitudes and frequencies refer to Peak Particle Velocities (PPV) occurring in any single direction, measured on the ground level of the building concerned.

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Appendix D: Noise monitoring results, graphical	plots and loca	ition plan

Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	69.6	70.7	58.3	2-Apr-12	10:59-11:29	Rock Breaking	- Background noise	Sunny	Façade
UTP 2	51.8	53.9	46.7	2-Apr-12	10:26-10:56	N/A	- Background noise - Traffic noise	Sunny	Façade
UTP 3	69.1	53.9	46.7	2-Apr-12	11:31-12:01	Rock Breaking	- Background noise	Sunny	Façade
UTP 4	65.9	68.6	60.0	2-Apr-12	13:14-13:44	N/A	- Background noise	Sunny	Façade
UTP 5	67.6	70.6	62.1	2-Apr-12	12:05-12:35	N/A	- Background noise	Sunny	Façade
UTP 6	64.0	60.1	52.1	2-Apr-12	11:31-12:01	N/A	- Background noise	Sunny	Façade
UTP 7	70.8	73.0	59.5	2-Apr-12	11:01-11:31	Rock Breaking	- Background noise	Sunny	Façade
UTP 8	61.1	63.6	55.2	2-Apr-12	10:26-10:56	N/A	- Background noise	Sunny	Façade
UTP 9	62.3	65.4	54.5	2-Apr-12	9:56-10:06	N/A	- Background noise	Sunny	Façade
UTP 10	63.4	66.9	48.2	2-Apr-12	9:15-9:45	N/A	- Background noise	Sunny	Façade
UTP 11	56.5	59.6	48.2	2-Apr-12	8:44-9:14	N/A	- Background noise	Sunny	*Free field

Note* An Additional of 3dB(A) had been added to the measurement result due to Free Field Correction

Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	68.8	71.8	56.3	13-Apr-12	13:25-13:55	Transportation Cement modeling	- Traffic noise - Background noise	Sunny	Façade
UTP 2	66.2	63.1	51.2	13-Apr-12	12:52-13:22	Soil sorting	- Traffic noise - Background noise	Sunny	Façade
UTP 3	73.5	72.5	63.4	13-Apr-12	13:58-14:28	Soil sorting	- Background noise	Sunny	Façade
UTP 4	54.3	56.3	48.0	13-Apr-12	14:30-15:00	N/A	- Background noise	Sunny	Façade
UTP 5	65.6	67.3	53.0	13-Apr-12	15:04-15:34	Cage making	- Background noise	Sunny	Façade
UTP 6	51.9	52.9	44.5	13-Apr-12	11:42-12:12	N/A	- Background noise	Cloudy	Façade
UTP 7	71.6	72.4	58.9	13-Apr-12	11:12-11:42	Soil transfer	- Background noise	Cloudy	Façade
UTP 8	67.8	66.5	54.7	13-Apr-12	10:40-11:10	Rock Breaking	- Background noise	Cloudy	Façade
UTP 9	65.9	68.7	56.9	13-Apr-12	10:10-10:40	Rock Breaking	- Background noise	Cloudy	Façade
UTP 10	73.1	64.2	49.0	13-Apr-12	9:30-10:00	Rock Breaking	- Background noise	Cloudy	Façade
UTP 11	58.7	60.5	49.7	13-Apr-12	9:00-9:30	Rock Breaking	- Background noise	Cloudy	*Free field

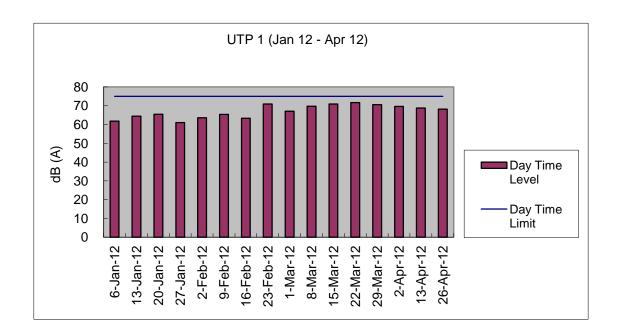
Note* An Additional of 3dB(A) had been added to the measurement result due to Free Field Correction

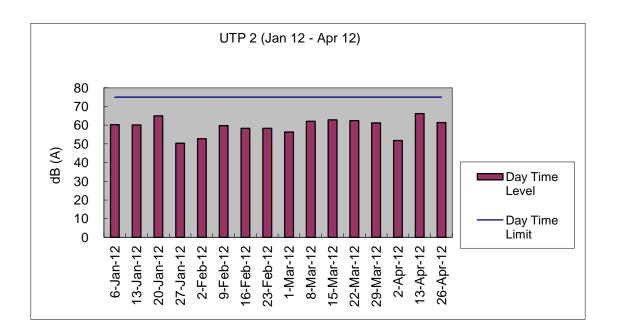
Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	68.2	69.8	56.3	26-Apr-12	13:28-13:58	N/A	-Traffic noise - Background noise	Sunny	Façade
UTP 2	61.4	61.6	47.8	26-Apr-12	12:55-13:25	N/A	-Traffic noise - Background noise	Sunny	Façade
UTP 3	67.7	68.4	62.5	26-Apr-12	14:00-14:30	N/A	- Background noise	Sunny	Façade
UTP 4	57.4	59.7	50.0	26-Apr-12	14:33-15:03	N/A	- Background noise	Sunny	Façade
UTP 5	69.8	67.0	53.2	26-Apr-12	15:08-15:38	N/A	- Background noise	Cloudy	Façade
UTP 6	58.5	52.1	45.0	26-Apr-12	11:49-12:19	N/A	- Background noise	Sunny	Façade
UTP 7	61.5	63.6	48.6	26-Apr-12	11:19-11:49	N/A	- Background noise	Sunny	Façade
UTP 8	61.1	63.4	55.6	26-Apr-12	10:22-10:52	River sorting	- Background noise	Sunny	Façade
UTP 9	67.1	70.8	57.3	26-Apr-12	9:51-10:21	Rock breeaking	- Background noise	Sunny	Façade
UTP 10	57.7	62.4	47.2	26-Apr-12	9:11-9:41	Rock breeaking	- Background noise	Sunny	Façade
UTP 11	56.9	61.2	48.5	26-Apr-12	8:40-9:10	N/A	- Background noise	Sunny	*Free field

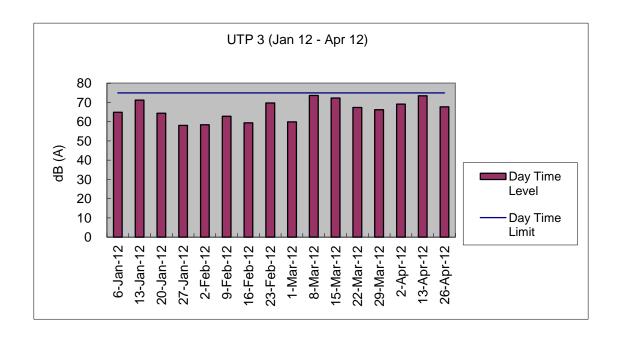
Note* An Additional of 3dB(A) had been added to the measurement result due to Free Field Correction

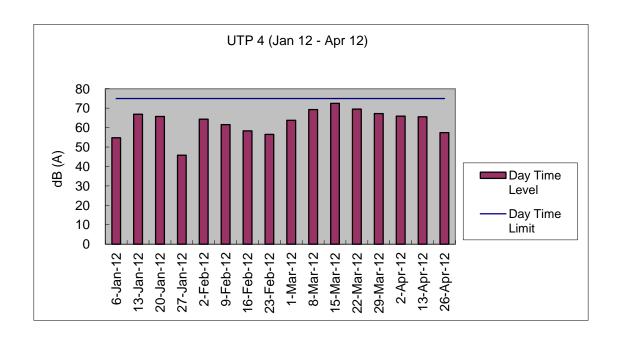
Graphical plot for noise measurements

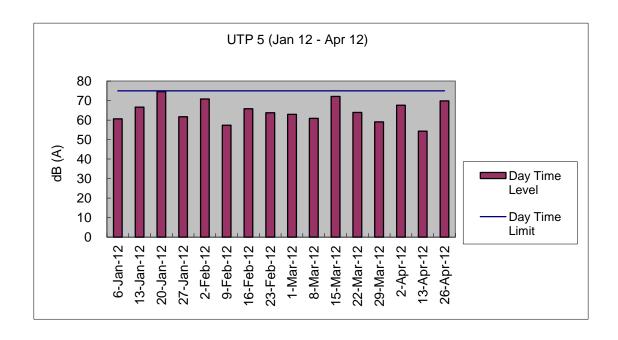
The followings were the graphical plots for the 11 monitoring locations. Each plot showed the date of measurement taken, day time limit of 75 dB(A) as well as the measured daytime level for each location. The graphs contain the data recorded from January 2012 to April 2012.

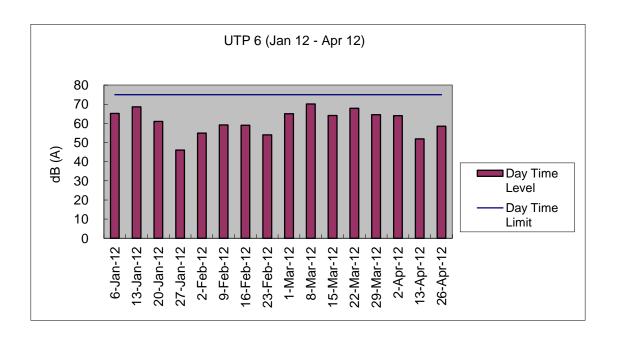


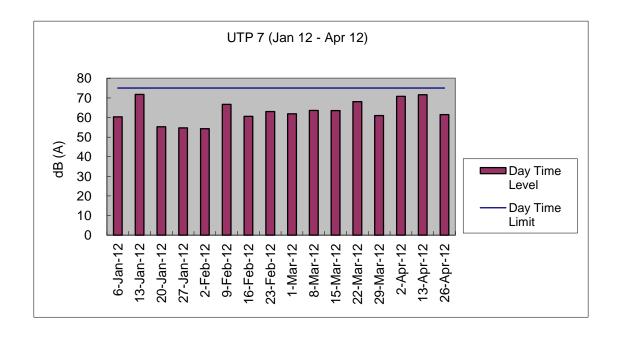


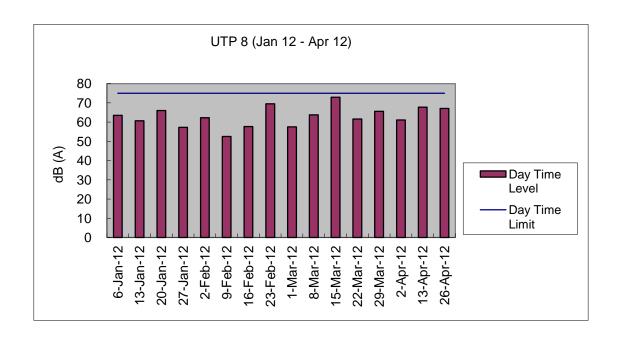


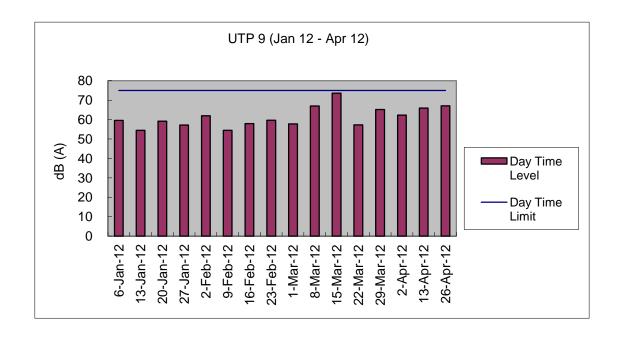


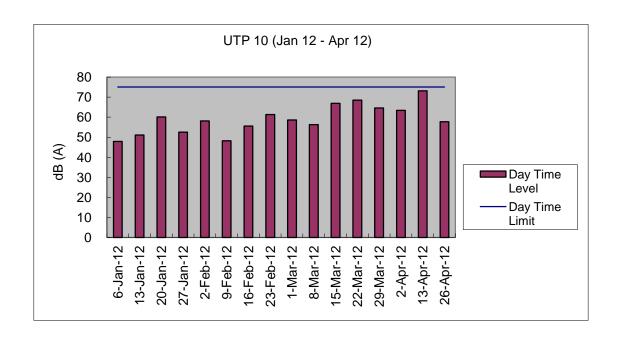


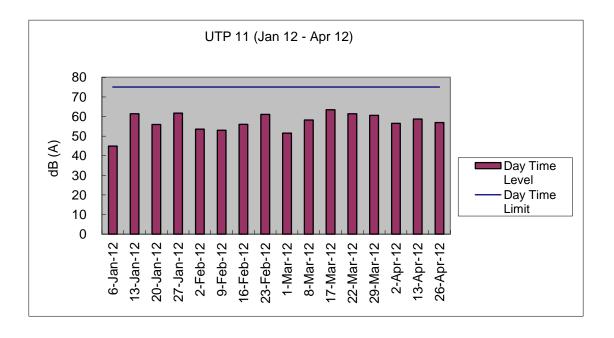


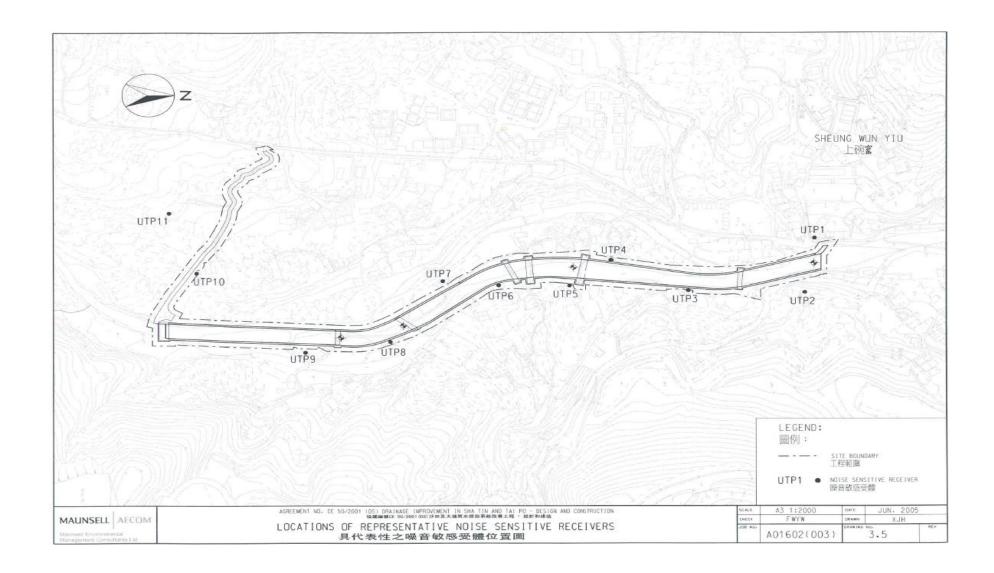












niu Hing Construction & Transportation Co., Ltd	DC/2007/06 River improvement works in Upper Tai Po River Forty-Forth Monthly Report
Appendix E: Monitoring schedule for the p	present and next reporting period

Chiu Hing Construction & Transportation Co., Ltd

Master Schedule of EM&A works in April 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
01/04	02/04	03/04	04/04	05/04	06/04	07/04
	Ecological site inspection Noise Monitoring	Site inspection at afternoon				
08/04	09/04	10/04	11/04	12/04	13/04	14/04
		Ecological site	Site inspection at afternoon		Noise Monitoring	
15/04	16/04	17/04	18/04	19/04	20/04	21/04
	Ecological site inspection and		Site inspection and SSEMC at afternoon	Noise Monitoring (Note 1)		
22/04	23/04	24/04	25/04	26/04	27/04	28/04
	Ecological site inspection		Site inspection at afternoon	Noise Monitoring		
29/04	30/04					
	Ecological site inspection					

Note:

 $^{^{1}}$ The noise monitoring scheduled on 19^{th} April 2012 was cancelled due to adverse weather.

Master Schedule of EM&A works in May 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01/05	02/05	03/05	04/05	05/05
			Site inspection at afternoon	Noise Monitoring		
06/05	07/05	08/05	09/05	10/05	11/05	12/05
	Ecological site inspection		Site inspection at afternoon	Noise Monitoring		
13/05	14/05	15/05	16/05	17/05	18/05	19/05
	Ecological site inspection and		Site inspection	Noise Monitoring		
20/05	21/05	22/05	23/05	24/05	25/05	26/05
	Ecological site inspection		Site inspection and SSEMC at afternoon	Noise Monitoring		
27/05	28/05	29/05	30/05	31/05		
	Ecological site inspection		Site inspection at afternoon	Noise Monitoring		

Appendix F: Cumulative complaint log

Environmental	Cumulative no.	No. of complaint	Overall Total
Parameters	Brought forward	April 2012	
Air/Dust	7	0	7
Noise	5	0	5
Water	11	0	11
House Keeping	1	0	1
Hygiene			
Chemical waste	0	0	0
Total	24	0	24

Chiu Hing Construction & Transportation Co., Ltd		River improvement wo	D orks in Upper Tai Forty-Forth Month	C/2007/06 Po River aly Report
Appendix G: Implementation	status of	environmental	protection	and

mitigation measures

Implementation status of environmental protection and mitigation

Environmental	Protection / Mitigation Measures	Implementation	Follow-up
Aspect		status	action
Construction Noise	No percussive piling shall be carried out	Implemented	Not required
	-Use well maintained construction plant	Implemented	Not required
	-Shut down plants between work periods	Implemented	Not required
	-Install silencers on construction equipment	Implemented	Not required
	-Locate mobile plant far away from NSRs	Implemented	Not required
	-Quiet plants should be used	Implemented	Not required
	-2m high temporary noise barriers, as stipulated in EP condition 2.9, shall be installed	Deficient	Ongoing
Fugitive Dust Emission	-Implement regular watering and vehicle washing facilities	Deficient	Ongoing
	-Cover excavated or stockpile of dusty material by impervious sheeting or sprayed with water	Implemented	Not required
	-Use tarpaulin to cover dusty materials on vehicles	Implemented	Not required
Water Quality	Excavation works within the Tai Po River within the Project shall be	Implemented	Not required
	carried out in stages and excavation area for each stage shall be limited		
	to section of half width of the channel and less than 100m long at any		
	one time in order to maintain water flow within the river during		
	construction stage		
	Land-based plant shall be employed and site run-off shall be directed	Deficient	Ongoing
	towards regularly cleaned and maintained silt traps and oil / grease		
	separators to minimize leakage and loss of sediments during excavation		
	Large boulders removed from the Tai Po River within the Project during	Implemented	Not required
	excavation shall be re-instated upon completion of works A section of		
	150m long natural riverbank on the western side of the river channel		
	(Ch0 –Ch150) shall be retained		
	The excavation area shall be enclosed with bunds or barriers and	Implemented	Not required
	dewatered prior to excavation to minimize the impacts upon the		
	downstream of the Tai Po River		
	Provide silt trap and oil interceptor to remove the oil, lubricants, grease,	Implemented	Not required

	silt, grit and debris from the wastewater before pumped to the public		
	storm water drainage system		
	Provide site toilet facilities	Implemented	Not required
Waste	Reuse excavated material as far as possible	Implemented	Not required
Management			
	Recycle scrap metals or abandoned equipment	Implemented	Not required
	Adopt a trip ticket system for the disposal of C&D materials	Implemented	Not required
	All general refuse should be segregated and stored in enclosed bins or	Deficient	Ongoing
	compaction units		
Vibration	Percussive piling is to be replaced by bore-hole piling to minimize	Not applicable at this	Not required
	vibration impacts to the two identified Declared monuments	stage	
	Carrying out of vibration monitoring to ensure that vibration associated	Not applicable at this	Not required
	with the construction phase do not exceed the threshold limit otherwise	stage	
	contractor have to review the work method and construction activities		
	have to be slow down or rescheduled to reduce the impacts		
	Close monitoring and measurement on the cracks of the external wall of	Not Applicable at this	Not required
	Fan Sin Temple during construction works will be carried out. Any	stage	
	changes on the cracks will be recorded for the contractor to slow down		
	the construction activities accordingly; and to review the work methods		
	and equipments immediately		

Implementation status of environmental protection and mitigation for ecology, prepared by the Ecologist, Dr. Mark Shea.

Environmental	Protection / Mitigation Measures	Implementation status	Follow-up
Aspect			action
Ecology	Large boulders will be returned to the riverbed following	Not applicable	Not
	the excavation works.		required
	Construction works from Ch. 0.0m - Ch. 150m would be	Not applicable	Not
	along one side of the river only		required
	Approximately 150m of the existing natural riverbank on	Implemented	Not
	the western side of the river would be retained.		required
	Excavation works within the river channel should be	Implemented	Not
	restricted to an enclosed dewater section of the river, and		required
	would be limited to sections 50-100m long at any one		
	time.		
	Flows to the area downstream shall be maintained at all	Implemented	Not
	times during the construction phase		required
	Capture survey shall be conducted within the Tai Po River	Capture surveys had been conducted at	Not
	before commencement of works. The captured target	the beginning of the Contract, during	required
	species shall be relocated to areas of the watercourse	the wet season July/August 2008 and 4th	
	upstream of the watercourse upstream of the Tai Po River	November 2008	
	Temporary noise barriers should be constructed to control	Implemented	Not
	noise impacts to habitats and associated wildlife within		required
	and adjacent to the proposed works area		
	Excavation works shall be carried out by land based plant	Implemented	Not
	within enclosed dry section of river channel.		required
	Compensatory planting of trees and other vegetation along	Not applicable	Not
	the banks of the newly improved drainage channel should		required
	be provided to compensate for the loss of riparian		
	vegetation.		
	Operation phase activities in the improved drainage channel	Not applicable	Not
	would be limited to periodic channel maintenance such as		required
	de-silting.		

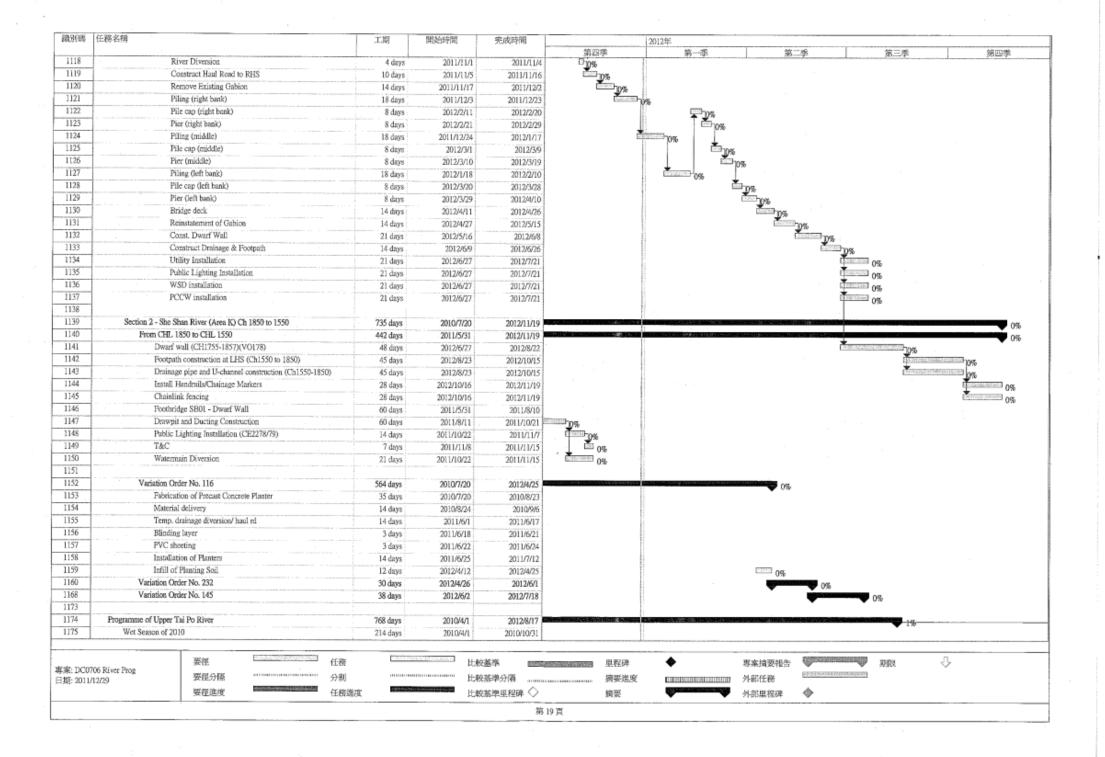
Appendix H: Cumulative waste flow table

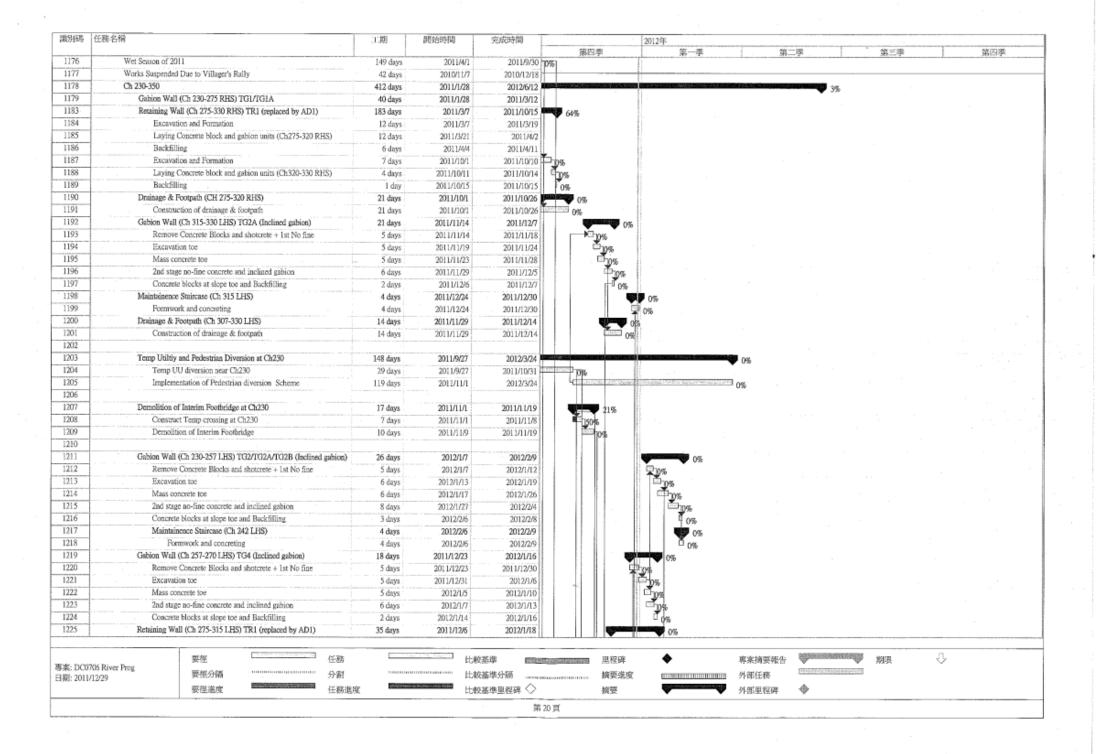
Cumulative waste flow table showing amount of wastes generated, reused and disposed since 15th September 2008

Type of waste		Inert Waste			Non-Inert Waste)	Chemical Waste		
	Amount generated	Amount reused	Amount disposed	Amount generated	Amount reused	Amount disposed	Amount generated	Amount disposed*	
Year 2008 to 2009	36.9 m ³	0	36.9 m ³	2.000 tonnes	0	2.000 tonnes	20kg	20kg	
Year 2010	1955 m ³	1955m ³	0	0.192 tonnes	0	0.192 tonnes	0	0	
Year 2011	5505 m ³	5490 m ³	51.9 m ³	0.376 tonnes	0	0.376 tonnes	3kg	3kg	
January 2012	1920 m ³	1920 m ³	0	0.030 tonnes	0	0.030 tonnes	2kg	2kg	
February 2012	2110 m ³	2110 m ³	0	0.020 tonnes	0	0.020 tonnes	1kg	1kg	
March 2012	1401 m ³	1401 m ³	0	0.030 tonnes	0	0.030 tonnes	0	0	
April 2012	710 m ³	575 m ³	135 m ³	0.030 tonnes	0	0.030 tonnes	0	0	
Total	13637.9 m ³	13451 m ³	223.8 m ³	2.678 tonnes	0	2.678 tonnes	26kg	26kg	

Remark*: Chemical wastes generated from the project sites including Upper Tai Po River, Lam Tsuen River and She Shan River were centralized for disposal

Appendix I: Construction programme (Rev. No. 18)





識別碼(任務名稱				7.期	開始時間	完成時		111.0E)	2012年 第一季	- Art	- 25	Ady raps		Virris©
1226	Remov	ve Concrete Blocks	and shotcrete + 1st No fine		8 days	2011/12	201	/12/14	- Jus	第一字	,m.	二季	第三季		5四季
1227	Excav	ation toe			8 days	2011/12/		/12/23	100	46					
1228	Mass o	concrete toe			8 days	2011/12/		/12/31	1 3	0% 					
1229	2nd sta	age no-fine concrete	and inclined gabion		.10 days	2012/1		2/1/13		Tone.					
1230	Concre	ete blocks at slope to	oe and Backfilling		4 days	2012/1/		2/1/18		The s					
1231		Footpath (Ch 200-3			60 days	2012/2		2/4/18		Bigginson water to	0%				
1233		formation (Ch205-2)			21 days	2012/2		2/2/25		00	₩ 050				
1234			from TB03 to Step2)		7 days	2012/2		12/2/9		Dina.					
1235			ck at Embankment Toe		7 days	2012/2/		2/2/17		The box					
1236		steel meshes			7 days	2012/2/		2/2/25		100					
1237	Step 2 & St	illing Basin (Ch 236	3		17 days	2012/1/2		2/2/11		00					
1238			sume Mass Concrete)		8 days	2012/1/		12/2/1		0.70					
1239		action of Stilling Ba			6 days	2012/2		12/2/8		Drove					
1240		action of Baffle Blo			3 days	2012/2		2/2/11		70					
1241	Cascade (C				30 days	2011/12/1		2/1/21	1000001 0	- 070					
1242		Bed formation (Ch2)	36-275)		7 days	2011/12/		/12/22		- Vis					
1243		uction of Cascade (C			14 days	2011/12/2		2/1/11	100	Thor					
1244		action of Stilling Ba			6 days	2012/1/		2/1/18	1	1 town					
1245		uction of Baffle Blo			3 days	2012/1/1		2/1/21		100					
1246	Step 3 (Ch.				24 days	2012/1		12/2/2	1	0%					
1247		Bed formation (Ch2)	75-307)		7 days	2012/1		2/1/10	- <u> -</u>	0%					
1248			sume Mass Concrete)	· · · · ·	8 days	2012/1/1		2/1/19							
1249		action of Stilling Ba			6 days	2012/1/2		2/1/30		10%					
1250		oction of Baffle Blo			3 days	2012/1/3		12/2/2		1000					
1251		ormation (Ch 307-33			21 days	2012/1/1		12/2/7		7 0%					
1252		tion (Ch205-236)(Fi			7 days	2012/1/		2/1/18		0%					
1253			ck at Emhankment Toe		7 days	2012/1/1		2/1/30		0%					
1254		steel meshes	CK III ZANORIMININ TOO		7 days	2012/1/2		12/2/7		1000					
1255	Lighting at (45 days	2012/4/1		2/6/12		0%	DUBUU DANK				
1256		ection of Drawpits /	Ductions		21 days	2012/4/1		2/5/15			(Classical de	0%			
1257		lighting Installation			12 days	2012/5/1		2/5/29	1			10%			
1258		lighting Installation			12 days	2012/5/1		2/5/29	1			0%			
259	T&C	ngaring measurement	(002017)		6 days	2012/5/3		12/6/5	1 1			10%			
1260		al of existing lightin	a (VA1311.71)							. []		-0%			
1261	rappy	et of extreme rightin	& (1VI311-51)		6 days	2012/6/	201	2/6/12				□ 0%			
1262	Footbeiden 7	TB04 (Ch 330)			91 days	2011/11	2011	000							
1263		action of Abutment	A /DTIPS			2011/11/		12/29		0%					
1264		cavation and Blindi	4		21 days	2011/11/		/12/2	0%						
1265		rmwork and rebar fi	_		5 days	2011/11/		11/14	19%						
266		mwork and repar is increting of base sla			5 days	2011/11/1		11/19	10%						
267		ripping off formwork			1 day	2011/11/2		11/21	10%						
268					2 days	2011/11/2		11/23	20%						
1269		moreting of column	ering formwork for column		5 days	2011/11/2		11/29	70%						
1270			L.		1 day	2011/11/3		11/30	0%						
1270		ripping off formwork			2 days	2011/12/	The second second state	/12/2	1-0%						
		ction of Abutment l	p (1712)		23 days	2011/11/2			P P P	% []					
1272		move shotcrete			2 days	2011/11/2		11/25	0% ∆10%						
273	Ex	cavation and Blindi	ng		5 days	2011/11/2	5 201	/12/1	10%						
		要徑		任務			比較基準		里程碑	•	專案摘要報告	Comment	期限	Ŷ.	
	6 River Prog	要復分隔	annine jamannina	分割	1111111111111		比較基準分隔			*		DESCRIPTION OF THE PERSON NAMED IN COLUMN 1		~	
朝: 2011/12	2/29		50004			eroly de course lead to the land		^	擠要進度		外部任務				
		要極進度	THE RESERVE OF THE PARTY OF THE	任務進度	**************************************		比較基準里程程		摘要	A	外部里程碑	4			

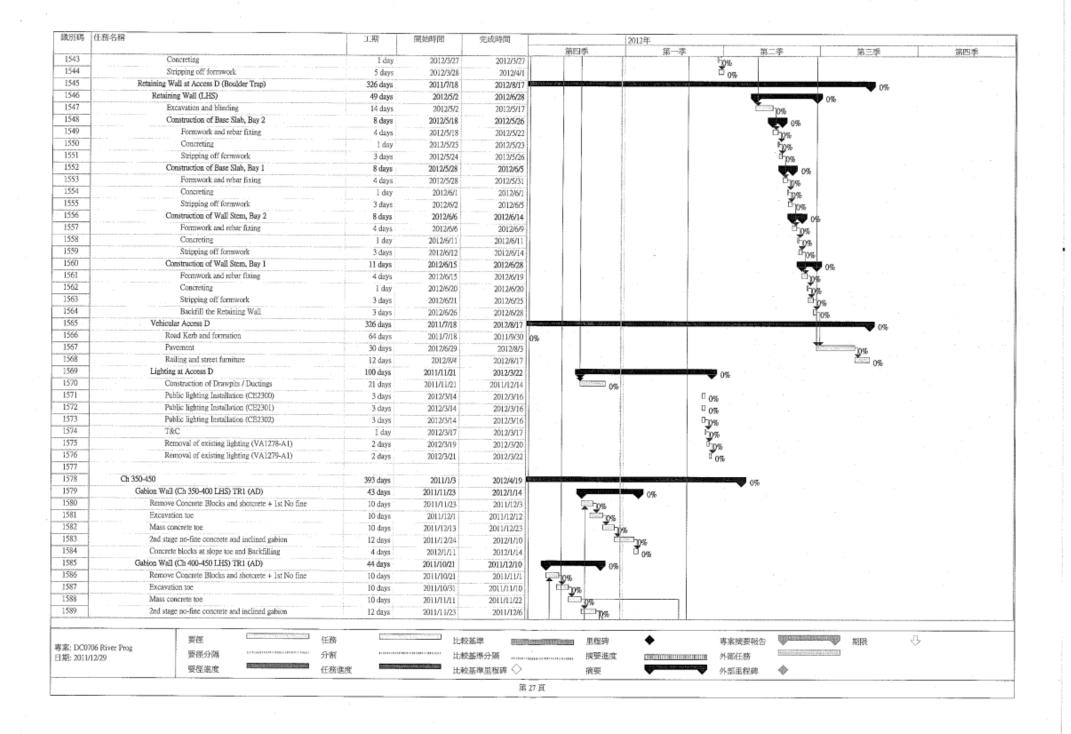
識別碼	任務名稱		.TC#88	開始時間	完成時間		2012年				
1274	P.					第四季	第一季	第	二季	第三季	第四季
		nwork and rebar fixing for base slab	5 days	2011/12/2	2011/12/7	10%					
1275	×	creting of base slab	l day	2011/12/8	2011/12/8	50%					
1276		ping off formwork	2 days	2011/12/9	2011/12/10	20%					
1277	4	ar fixing and shuttering formsvork for column	5 days	2011/12/12	2011/12/16						
1278		creting of column	l day	2011/12/17	2011/12/17	709	1111				
1279		ping off formwork	2 days	2011/12/19	2011/12/20	I I I	%				
1280		tion of decking (steel deck)	16 days	2012/2/8	2012/2/25		£	0%			
1281		tion of steel deck+ cone deck	4 days	2012/2/8	2012/2/11		□ <u>70</u> %				
1282		k finishing	10 days	2012/2/13	2012/2/23			0%			
1283		ing installation	2 days	2012/2/24	2012/2/25			0%			
1284		on of Bridge TB-A	52 days	2011/12/24	2012/2/29		CHARLES IN SHIP SHE	0%			
1285		ove concrete pipes and reprovide footpath	14 days	2011/12/24	2012/1/12		0%	ļ.			
1286		plete removal of TB-A crossing	3 days	2012/2/27	2012/2/29			70%			
1287		st Footbridge TB04	11 days	2012/2/13	2012/2/24		6.4	0%			
1288		struction of Drawpits / Ductings	7 days	2012/2/13	2012/2/20			198			
1289		ic lighting Installation (CE2315)	3 days	2012/2/21	2012/2/23						
1290		ic lighting Installation (CE2316)	3 days	2012/2/21	2012/2/23			0% 0%			
1291	T&C		1 day	2012/2/24	2012/2/24			0%			
1292		f Gabion Wall at TB-A?	5 days	2012/3/1	2012/3/6			0%			
1293		n and Formation	2 days	2012/3/1	2012/3/2			10% 10%			
1294		'all Construction (adj TBA LHS)	2 days	2012/3/3	2012/3/5			D%			
1295	Backfillin	g	1 day	2012/3/6	2012/3/6	.	. []]	1.0%			
1296		25.000									
1297	Footbridge TB		329 days	2011/3/10	2012/4/17	ACCORDING TO SECURITION OF SEC		0%			
1298 1299		ion of Abutment A (LHS)	21 days	2011/12/8	2012/1/4		0%				
1300		vation and Blinding	5 days	2011/12/8	2011/12/13	FR20%					
		work and rebar fixing for base slab	5 days	2011/12/14	2011/12/19						
1301		reting of base slab	l day	2011/12/20	2011/12/20	309	6				
1302		ping off formwork	2 days	2011/12/21	2011/12/22	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	%				
1303		r fixing and shuttering formwork for column	5 days	2011/12/23	2011/12/30		10%				
		reting of column	1 day	2011/12/31	2011/12/31		130%				
1305 1306		ping off formwork	2 days	2012/1/3	2012/1/4		0%				
		on of Abutment B (RHS)	19 days	2011/3/10	2011/3/31						
1314		on of decking	75 days	2011/12/8	2012/3/10			0%			
		fication of table top	10 days	2011/12/8	2011/12/19	P 09	1 1 1 1 1				
1316		ion of steel deck+ conc deck	4 days	2012/2/22	2012/2/25		1 1	0%			
		finishing	10 days	2012/2/27	2012/3/8						
1318		ng installation	2 days	2012/3/9	2012/3/10						
1319		n of Bridge TB-B	99 days	2011/12/8	2012/4/11			0%			
1320		ove concrete pipes and reprovide footpath	14 days	2011/12/8	2011/12/23	1 1	%	+			
		ove concrete pipes and demolition works	3 days	2012/4/5	2012/4/11			T=70%			
1322		t Footbridge TB05	10 days	2011/12/20	2012/1/3	11 11 12 75.	₩ 0%	·			
1323		truction of Drawpits / Ductings	6 days	2011/12/20	2011/12/28		p%				
1324		c lighting Installation (CE2313)	3 days	2011/12/29	2011/12/31		0%				
1325	Pubii T&C	c lighting Installation (CE2314)	3 days	2011/12/29	2011/12/31		30%				
			1 day	2012/1/3	2012/1/3		0%				
1327	Consturct	on of Gabion Wall at TB-B	5 days	2012/4/12	2012/4/17			0%			
Sinte, move	Mc Diagonal	要徑 任務	Titleson.	il:	交基準 回回回回	里程碑	•	專案摘要報告	Managana	期限	Û
単築: DCU/ ∃期: 2011/	706 River Prog	要徑分隔 5割	***************************************	ELE	交基準分隔	摘要進度	(ACH 101.13111111111111111111111111111111111	mmm 外部任務	8-17/100-170000	25000	
-1997: ZULLI	14/47	要得進度 任務			校基準里程碑 ◇	摘要	Service of the least of the lea	外部里程碑	Φ.		
		米田培文 拉杨	XEIS.	EEM	文墨中里位科 🗸	四类	•	▼ 介部里程桿	4		

識別碼	任務名稱			江湖	開始時間	完成時間		Control of the Contro	012年				,		
1328	Excavol	ion and Formation		2 days	2012/4/12	2012/4/13	第四	季	第一	-≱	第:	- #	第三季		第四季
1329		Wall Construction (adj TBB LHS)		2 days	2012/4/14	2012/4/16				111	50% 50%				
1330	Backfill			1 days	2012/4/17	2012/4/17					10%				
1331	Dicalia			1 uny	2012/01/	2012/4/17					- 0%				
1332															
1333	Gabion Wall (Ch	335-345 LHS) TG2/TG2A		17 days	2011/11/29	2011/12/17				-					
1334		crete Blocks and shotcrete + 1st No fine		4 days	2011/11/29	2011/12/1		G4.							
1335	Excavation to			4 days	2011/11/29	2011/12/2		□ 1 0% □•10%							
1336	Mass concret			4 days	2011/12/5	2011/12/9		10%							
1337		fine concrete and inclined gabion	-	5 days	2011/12/10	2011/12/15		10%		H					
1338		ks at slope toe and Backfilling		2 days	2011/12/16	2011/12/17		10%							
1339		as at stope use and nackplining ath (Ch 335-345 LHS)		12 days	2011/12/16	2011/12/17		0.00	.						
1340		of drainage & footpath			2011/12/19				0%						
1341		330-345 RHS) TG2		12 days		2012/1/4			0%	111					
1342				22 days	2011/11/9	2011/12/3	*	0%							
1342	Excavation to	crete Blocks and shotcrete + 1st No fine		5 days	2011/11/9	2011/11/14	-	%							
1343	Mass concret			5 days	2011/11/12	2011/11/17	"	0%							
1344				5 days	2011/11/18	2011/11/23	" "	20%							
		fine concrete and inclined gabien		6 days	2011/11/24	2011/11/30		20%							
1346		ks at slope toe and Backfilling		3 days	2011/12/1	2011/12/3		th 0%							
1347		ath (Ch 330-340 RHS)		12 days	2011/12/5	2011/12/17		GA GA							
1348 1349	Construction	of drainage & footpath		12 days	2011/12/5	2011/12/17		0%							
1350	River Bed formati	m (Ch 330-350)		12 days	2012/2/13	2012/2/25				0%					
1351	Excavation			4 days	2012/2/13	2012/2/16			1						
1352	Placement of	Concrete Block at Embankment Toe		4 days	2012/2/17	2012/2/21				1 0.					
1353	Pixing steel n	eshes		4 days	2012/2/22	2012/2/25				D nos					
1354	Step 4 (Ch 350)			20 days	2012/2/27	2012/3/20				بيستني	Ges.				
1355	River Bed for	mation (Ch340-350)		3 days	2012/2/27	2012/2/29		1		Pros.	0,0				
1356	Construction	of Step 3 (Assume Mass Concrete)		8 days	2012/3/1	2012/3/9		- 4		70%					
1357		of Stilling Basin (base slab)		6 days	2012/3/10	2012/3/16									
1358	Construction	of Baffle Blocks	. 1215	3 days	2012/3/17	2012/3/20		1		1 80	e.				
1359	Ch 45-230			506 days	2010/11/1	2012/6/20	CONTRACTOR AND AND AND AND ADDRESS OF THE ADDRESS O	MICHAEL IN	- Longue par el deben		AN AND A CORP. HE SOUTH	introduction in the party of	165		
1360	Additional Boulde	Trap		149 days	2011/10/1	2012/3/30	THE RESERVE THE RES				₽ 0%		170		
1361	Water diversi			20 days	2011/10/1	2011/10/25	10%				₩ 0%				
1362	Bay 1			34 days	2011/10/26	2011/12/3	0.0	0%							
1363		on and Blinding, temp work		14 days	2011/10/26	2011/11/10	1	V 0%							
1364		k and rebar fixing of base slab		7 days	2011/11/11	2011/11/18		hor I							
1365		ng of base slab		1 day	2011/11/19	2011/11/19		0%							
1366		off formwork		2 days	2011/11/21	2011/11/22		1							
1367		ing and shuttering formwork for Wall		7 days	2011/11/23	2011/11/30		10% Dow							
1368	Concreti			1 day	2011/12/1	2011/12/1		How							
1369		off formwork		2 days	2011/12/2	2011/12/3		10%		H					
1370	Вау 2	va realityes		34 days	2011/12/1	2012/1/12		10%							
1371		on and Blinding, temp work		34 days	2011/12/1	2012/1/12		Contract of the Contract of th	₩ 0%						
1372		m and istuicing, temp work k and rebar fixing of base slab						10%							
1373		k and repar rixing or page stap ng of base slab		7 days 1 day	2011/12/17	2011/12/24		10%							
1374		off formwork			2011/12/28	2011/12/28		100%							
1374	Surppung	OLI IOITIIWOIK		2 days	2011/12/29	20[1/12/30		Flor	6						
rata non	3	[在	任務	-0.5	H	校基準 國際	SESSION MANAGERS	里程碑	•		專案擠要報告	STATE OF THE PARTY	期限	Ţ.	
「案: DC07/ 「期: 201]/	06 River Prog	更 徑分隔	分割		manning H	較基準分隔		擠要進度	EIIIOIIIII		外部任務	DESIGNATION OF THE PERSON OF T			
991: 2011/	1227	E 径進度	任務準度	Richard		蛟基準里程碑 ◇			Secretaria de la constantia del constantia de la constantia de la constantia della constantia della constant						
		CHEARIN	STORY SERVICE		TC	双垂华里径畔 🗸		摘要	-	-	外部里程碑	0			

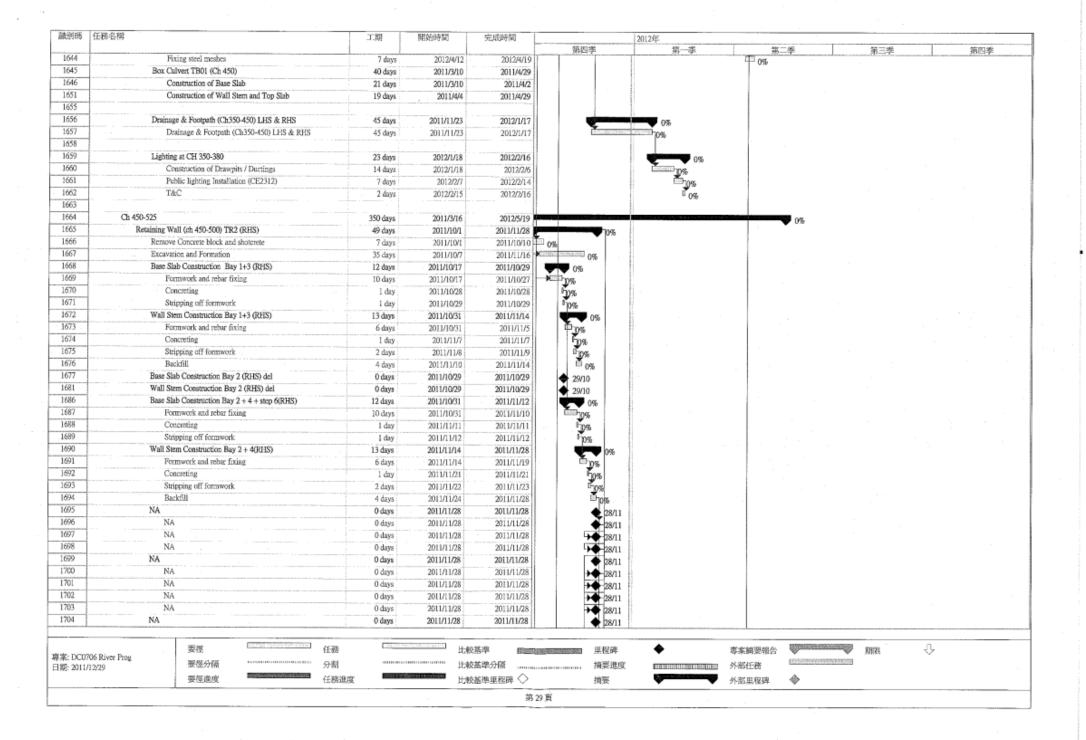
識別屬	任務名稱			-	工期	開始時間	完成時		uri ag	2012年	25 .00			Ady to a regis		AND TWO SER	
1375	B	ebar fixing and shut	tering formwork for Wall		7 days	2011/12	/31	2012/1/9	四季	<u></u>	第一季	3	二季	第三季		第四季	
1376		oncreting			1 day	2012/1		012/1/10		150%							
1377	S	tripping off formwor	rk		2 days	2012/1		012/1/12		90%							
1378	Bay 3				34 days	2012/1/		012/2/22		0.0	000						
1379	Е	xcavation and Blinds	ing, temp work		14 days	2012/1		012/1/30		10000	Troes V						
1380	F	omiwork and rebar f	fixing of base slab		7 days	2012/1		2012/2/7			Dog.						
1381	C	oncreting of base sla	ib		1 day	2012/		2012/2/8			70% 10%						
1382		ripping off formwor			2 days	2012/		012/2/10			Free						
1383			tering formwork for Wall		7 days	2012/2/		012/2/18			A Topic						
1384	C	oncreting	****		1 day	2012/2/		012/2/20	-		For						
1385	S	ripping off formwor	k		2 days	2012/2/		112/2/22			100						
1386	Bay 4				34 days	2012/2/		012/3/30			1070	og.					
1387		ecavation and Blindi	ing, temp work		14 days	2012/2/	1	012/3/7			200	₩ 0%					
1388		ormwork and rebar fi			7 days	2012/3		012/3/15	1 1		# 1 m	nar.					
1389		oncreting of base sla			1 day	2012/3/		012/3/16			1 2	170 100					
1390		ripping off formwork			2 days	2012/3/		012/3/19				boor.					
1391	the second secon		ering formwork for Wall		7 days	2012/3/		012/3/27				Those .					
1392		oncreting			1 day	2012/3/		012/3/28		8		bos.					
1393		ripping off formwork	k		2 days	2012/3/		12/3/30				0% 0% 0% 10% 10%					
1394		and the second			2 01133	20123		12330				0%					
1395	Access Roa	d (LHS)			21 days	2011/12	25 20	1/12/30	10000	0%							
1396		TB02 (Ch 150)			506 days	2010/11		12/6/20	CONTRACTOR CONTRACTOR	U30	CONTRACTOR OF STREET	7154 830 y Bowlesson	ensionsensus				
397		action of Abutment	(ZH D A		23 days	2010/11		0/11/23			1.		0%				
405		action of decking	is queroy		14 days	2012/4/		012/5/3				-					
406		ection of steel deck-	+ conc deck		4 days	2012/4/		12/4/19			1	Floor	0%				
1407		XConcreting	. colle econ		0 days	2012/4/		12/4/19			-1 '	N					
1408		eck finishing			10 days	2012/4/		012/5/3				1974					
1409		iling installation			7 days	2012/4/		12/4/27				1	b ·				
1410		g at Footbridge TB0	9		51 days	2012/4/		12/6/20	1			0%					
1411		enstruction of Drawp			21 days	2012/4/		12/5/16				The second	Thora				
1412		blic lighting Installa			12 days	2012/5/		12/5/30				.	10%				
413		blic lighting Installa			12 days	2012/5/		12/6/13			-	- 11	17% 17%				
1414			ghting (VA2642-A1)		6 days	2012/6/		12/6/20					10%				
1415		atover or extraining to	gaining (************************************		0 days	2012/0	24	12/0/20					. 0%				
1416	River Bed fo	ermation (Ch 100-15			15 days	2012/4/	18 2	012/5/7					ner.				
1417	Excava				8 days	2012/4/		12/4/30			1 11	- T	0% -				
1418			k at Embankment Toe		10 days	2012/4/		12/4/30				Own Down					
1419		steel meshes	E III LIIIAMIKIIIOM 100		5 days	2012/5		012/5/7		ľ		70% F					
420		(Ch 150-178 LHS)	TG3A		222 days	2011/4		1/12/30		GE 21200		1 1	2%				
1421		tion and formation			19 days	2011/4		11/4/29		13%							
1422			t at back of Gabion Wall		10 days	2011/12/		1/12/30		10%							
1423		Wall construction (5 days	2011/12/			100%	U%							
1424	Backfil		On 130-110 1410)		5 days	2011/11/		1/11/18	Times								
1425		(Ch 178-230 LHS)	TG5A/TG2		15 days	2011/10/		11/11/1	200								
1426		Wall construction (C			10 days	2011/10/		1/10/26	77				-				
1427	Backfil		on a re-gard Lates;		5 days	2011/10/		11/11/1									
1428		e Staircase (Ch 178)	LHS)		4 days	2011/11/1		1/11/17	0%								
-		要徑	E. 100 - 100 - 100 - 100	任務			Listation		E contra	4			Shoronesia.	100705 /			
家: DC070	06 River Prog						比較基準		里程碑	•		專案摘要報告	A	期限 期限	47		
期: 2011/1		要徑分隔	104110011111111111111111111111111111111	分割	Detti Barri	10.00.00.00.00.00.00.00.00.00.00.00.00.0	比較基準分隔		摘要進	₹ <u>m</u>		外部任務		100000			
		要徑進度	TO CONSTRUCTION OF STREET	任務進度	MARKET	The state of the s	比較基準里程	# ◇	摘要	4	William Militaria de Vezira (Al-	外部里程碑	•				

線別碼	任務名精		工期	開始時間	完成時間		2012年				
1429	- Barren	ork and concreting	4 days	2011/11/14	2011/11/17	第四季	第一	季	第二季	第三季	第四季
1430		Footpath (Ch 150-Ch230 LHS)	21 days	2011/11/10	2011/11/17	177					
1431		ge & Footpath	21 days	2011/11/10		0%					
1432		(Ch 100-150 RHS) TG2			2011/12/3	0%					
1433		e Concrete Blocks and shotcrete + 1st No fine	38 days	2011/10/25	2011/12/7	0%					
1434		e Concrete Blocks and shotcrete + 1st No fine tion toe	5 days	2011/10/25	2011/10/29	Dys.					
			10 days	2011/10/28	2011/11/8	10%					
1435		oncrete toe	10 days	2011/11/9	2011/11/19	10%					
1436		ge no-fine concrete and inclined gabion	10 days	2011/11/21	2011/12/1	20%					
1437		te blocks at slope toe and Backfilling	5 days	2011/12/2	2011/12/7	90%		1 . 1			
1438		e Staircase (Ch 130 RHS)	4 days	2011/11/28	2011/12/1	0%	1.				
1439		ork and concreting	4 days	2011/11/28	2011/12/1	□ 4 0%					
1440		Footpath (Ch 0-150 RHS)	45 days	2011/12/2	2012/1/30		0%				
1441	Constru	ction of drainage & footpath	45 days	2011/12/2	2012/1/30	Bross Copper	0%				
1442						.					
1443	Gabion Wall	l (Ch 150-178 RHS) TG4A	22 days	2011/11/17	2011/12/12	0.0	× .		-		
1444	Remove	e Existing footpath and shotcrete	2 days	2011/11/17	2011/11/18	D)1/96					
1445	Excava	tion and 1st stage No fine concrete	6 days	2011/11/19	2011/11/25	∰ _{10%}				- "	
1446	Mass co	oncrete wall	6 days	2011/11/22	2011/11/28	10%					
1447	2nd stay	ge no-fine concrete and inclined gabion	8 days	2011/11/29	2011/12/7						
1448	Concre	te blocks at slope toe and Backfilling	4 days	2011/12/8	2011/12/12	1 m ≥ 0%			-		
1449		TB03 (Ch 200)	121 days	2011/11/21	2012/4/19		-	1 Television (200 September 40)	ng		
1450	Constru	ction of Abutment B (RHS)	34 days	2011/11/21	2011/12/31	-	0%		0.20		
1451	Ex	cavation and Blinding, temp work	14 days	2011/11/21	2011/12/6	Time House					
1452		rmwork and rebar fixing of base slab	7 days	2011/12/7	2011/12/14	III mar					
1453		ncreting of base slab	1 day	2011/12/15	2011/12/15	0-30%					
1454		ipping off formwork	2 days	2011/12/16	2011/12/17	I I					
1455		bar fixing and shuttering formwork for column	7 days	2011/12/19	2011/12/28	¥	lana.				
1456		ncreting	1 day	2011/12/29	2011/12/29		10%				
1457		ipping off formwork	2 days	2011/12/30	2011/12/31		10%				
1458		ction of Decking (TB03)	71 days	2011/12/7	2012/3/5		0%				
1459		edification of LHS table top	18 days	2011/12/7	2011/12/29			0%			
1460		ection of steel deck+ cone deck	4 days	2012/2/18			0%				
1461		ck finishing			2012/2/22			0%			
1462		iling installation	10 days	2012/2/23	2012/3/5						
1463			2 days	2012/2/23	2012/2/24			10%			
		g at Footbridge TB03	27 days	2012/2/25	2012/3/27	1.		0%			
1464		nstruction of Drawpits / Ductings	12 days	2012/2/25	2012/3/9			10%			
1465		blic lighting Installation (CE2321)	6 days	2012/3/10	2012/3/16			10%			
1466		blic lighting Installation (CE2322)	6 days	2012/3/17	2012/3/23			50% 50%			
1467	Tå		1 day	2012/3/24	2012/3/24			50%	1		
1468	Re	moval of existing lighting (VA1309-Z1)	2 days	2012/3/26	2012/3/27		1 1	0%			
1469						. ↓	11				
1470	TR6 at		34 days	2011/11/21	2011/12/31	Commence of the last	9 0%				
1471		cavation and Blinding, temp work	14 days	2011/11/21	2011/12/6	30%					
1472		mwork and rebar fixing of base slab	7 days	2011/12/7	2011/12/14	□					
1473	Commence of the Commence of th	ncreting of base slab	1 day	2011/12/15	2011/12/15	150%					
1474		ipping off formwork	2 days	2011/12/16	2011/12/17	J _{D9}	6				
1475	Rei	bar fixing and shuttering formwork for column	7 days	2011/12/19	2011/12/28		10%				
		(Control Control Control		and make the set					800000000000000000000000000000000000000	MODELLO CARROLLE	0
案: DCM	06 River Prog	要徑		比他	光 加	原研修 里程碑	•	專案摘要		4 2242	⊕
期: 2011/1		要極分隔	割	比喇	基準分隔	過要進度		外部任務	PRODUCTION OF THE PROPERTY OF		
		要得進度 E	務進度	H-di-	基準里程幹 🔷	摘要	-	外部里程			
		11/		FL/6	AN PARKET V	1101300	•	▼ 7F6R454	977 W		

統別碼	任務名稱			工期	開始時間	完成時間	N mmse	2012年				
1476	Co	ncreting		l day	2011/12/29	2011/12/29	\$EU3\$	第一季 10%	- 第	_\$	第三季	第四季
477	Str	ipping off formwork		2 days	2011/12/30	2011/12/31		F 0%				
478								070				
479	Cascade	at Ch230		42 days	2011/11/21	2012/1/11	Name and Address of the Owner, where	or.				
480	Enc	cavation and Blinding, temp work		14 days	2011/11/21	2011/12/6	og	V 0%				
481		mwork and rebar fixing of base slab		7 days	2011/12/16	2011/12/23	0%	- I				
482		ncreting of base slab		1 day	2011/12/24	2011/12/24	-	1/8				
483		ipping off formwork		2 days	2011/12/28	2011/12/29	1 3	From				
484		oar fixing and shuttering formwork for colu	imn	7 days	2011/12/30	2012/1/7		0% 10% 10%				
485		ncreting		1 day	2012/1/9	2012/1/9		100	1.1			
486		ipping off formwork		2 days	2012/1/10	2012/1/11		1000	1.1			
487					2012/010	20120111		000				
488	River Be	ed formation (Ch178-230)		23 days	2012/2/23	2012/3/20	1	E INCOME.	- nov			
489		er Bed formation (Ch178-230)		8 days	2012/2/23	2012/3/2		1 00	0%			
190		cement of Concrete Block at Embankment	Toe	10 days	2012/2/29	2012/3/10		0%	.			
491		ing steel meshes	100	8 days	2012/3/12	2012/3/20	i	1 0				
192	Step 1 (6	and the same of th		17 days	2012/3/12	2012/3/30			0%			
193		astruction of Step 3 (Assume Mass Concret	in)	8 days	2012/3/12	2012/3/20		¥ .	0%			
194		istruction of Stilling Basin (base slab)		6 days	2012/3/21	2012/3/27			10%	. [
195		istruction of Baffle Blocks		3 days	2012/3/28	2012/3/30			-0%			
96		ed formation (Ch 150-178)		14 days	2012/3/31	2012/4/19			5/0%			
97		avation		5 days	2012/3/31				0%			
98		cement of Concrete Block at Embankment	Too	7 days	2012/4/3	2012/4/5			0%			
99		ing steel meshes	106	4 days		2012/4/14			7 20%			
10		ing steet mestics	·	a days	2012/4/16	2012/4/19			·· 0%			
01									-			
902	Ch -23-45			617 days	2010/01/20	2012/00/2						
903		ll at Access D (Boulder Trap)			2010/8/30	2012/8/17		Desired the second property of the second se	THE RESIDENCE AND PROPERTY.	ALL PROPERTY OF LAND AND PARTY OF THE PARTY	0%	
23		at Boulder Trap (RHS of downstream)		41 days	2010/9/1	2010/10/11						
25		ch 60-75) RHS		6 days	2010/8/30	2010/9/4						
26		on and Blinding		23 days	2012/1/31	2012/2/25		0%				
27		on and isomoting of kind rebar fixing of base slab		4 days	2012/1/31	2012/2/3		20%				
28				5 days	2012/2/4	2012/2/9		10%				
29		ng of base slab		1 day	2012/2/10	2012/2/10		70%				
30		off formwork		1 day	2012/2/11	2012/2/11	-	20%		_		
31	Concreti	sing and shuttering formwork for column		5 days	2012/2/13	2012/2/17		20%				
32		-		1 day	2012/2/18	2012/2/18		70%				
33	Stripping	eff formwork		1 day	2012/2/20	2012/2/20		Tyse Tyse Tyse Tyse Tyse				
34	Box Culvert 0	2.63.45		5 days	2012/2/21	2012/2/25		0%				
35		tion of Base Slab		31 days	2012/2/27	2012/4/1			0%			
36				21 days	2012/2/27	2012/3/21	1	Grand	0%			
37		nove boulder and wire fence	i	5 days	2012/2/27	2012/3/2		⊕20%				
38		avation and Blinding		7 days	2012/3/3	2012/3/10						
39		nwork and rebar fixing		5 days	2012/3/12	2012/3/16		G 3	%			
40		creting		I day	2012/3/17	2012/3/17		1)%·	1		
		pping off formwork		3 days	2012/3/19	2012/3/21			0%			
41		tion of Wall Stem and Top Slab		10 days	2012/3/22	2012/4/1			/% /% 0% 0%	I		
42	Pon	ntwork and rebar fixing	· · · · · · · · · · · · · · · · · · ·	4 days	2012/3/22	2012/3/26			70%			
		要律	任務	77 20	比較	trow	- merek		nitratalgemeiaen e-		#etho	ф
: DC070	06 River Prog							•	專案摘要報告	4	期限	√
: 2011/1	12/29	要徑分隔				基準分隔	摘要進度		外部任務			
		要徑進度	任務進度	Thomas	比較	態準風程碑 ◇	摘要	to contract the same	外部里程碑	•		



識別碼	任務名稱		工期	開始時間	完成時間			2012年				
1590	0	eté blocks at slope toe and Backfilling		201111211		第四		第一季	\$	_#	第三季	第四季
1591		formation (Ch 350-400)	4 days	2011/12/7	2011/12/10		□ 0%		_			
1592	Excave		24 days	2012/2/22	2012/3/20			\$ 	0%			
1593		nent of Concrete Block at Embankment Toe	10 days	2012/2/22	2012/3/3			0%				
1594		steel meshes	12 days	2012/2/27	2012/3/10	il		709	6			
1595		TB06 (Ch 400)	8 days	2012/3/12	2012/3/20				0%			
1596			393 days	2011/1/3	2012/4/19		MINISTER OF THE PARTY OF THE PA	International sections in	0%			
		ruction of Abutment A (LHS)	28 days	2011/12/12	2012/1/16		-	0%				
1597 1598		emove Concrete block and shotcrete	2 days	2011/12/12	2011/12/13		10%					
		xcavation and Blinding	10 days	2011/12/14	2011/12/24		10	%				
1599	1	ormwork and rebar fixing of base slab	5 days	2011/12/28	. 2012/1/3			70%				
1600	<u></u>	oncreting of base slab	1 day	2012/1/4	2012/1/4			-70% -70% -70% -70% -70% -70%				
1601		tripping off formwork	2 days	2012/1/5	2012/1/6			¹ 0%				
1602	l	eber fixing and shuttering formwork for column	5 days	2012/1/7	2012/1/12			□_0%				
1603		oncreting	1 day	2012/1/13	2012/1/13			ე₀%				
1604		tripping off formwerk	2 days	2012/1/14	2012/1/16			□ 0%				
1605		uction of decking	14 days	2012/3/21	2012/4/5				0%			
1606		rection of steel deck+ conc deck	4 days	2012/3/21	2012/3/24			i	<u>_</u> 0%			
1607	. D	eck finishing	10 days	2012/3/26	2012/4/5				0%			
1608	N	A	0 days	2012/3/24	2012/3/24			-	24/3			
1609	R	ailing installation	2 days	2012/3/26	2012/3/27				t10%			
1610	Lightin	ng at Footbridge TB06	14 days	2012/3/26	2012/4/13				0%			
1611	0	onstruction of Drawpits / Ductings	6 days	2012/3/26	2012/3/31				Dross.			
1612	Pt	ablic lighting Installation (CE2311)	3 days	2012/4/1	2012/4/3				10% 10% 10%			
1613	. Pt	ablic lighting Installation (CE2310)	3 days	2012/4/5	2012/4/11				ins.			
1614	. Te	&C	2 days	2012/4/12	2012/4/13				0.05			
1615	Demoli	ition of Bridge TB-C	124 days	2011/11/1	2012/3/30	-	NAME OF TAXABLE PARTY.	POGESTICATED SAVOROS	0%			
1616	W	ater Pipe Diversion	6 days	2011/11/1	2011/11/7	Trock			0.0			
1617	Re	emove concrete pipes and reprovide footpath	4 days	2011/11/8	2011/11/11	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×					
1618		emove concrete pipes and demolition works	3 days	2012/3/28	2012/3/30	"	NO.		T _{10%}			
1619		rction of Gabion Wall at TB-C	7 days	2012/3/31	2012/4/11		1 1		070			
1620		tcavation and Formation	3 days	2012/3/31	2012/4/2				(From			
1621		abion Wall Construction (TBC LHS)	2 days	2012/4/3	2012/4/5				10% 10%			
1622		sckfilling	2 days	2012/4/10	2012/4/11				10%			
1623		Annual Control	2 04/5	2012/4/10	2012/4/11				□ 0%			
1624	Cabion	Wall (Ch 400-450 RHS) TR1 (replaced by AD1)	30 days	2011/1/3	2011.04							
1628		Wall (Ch 400-450 LHS) TR1 (replaced by AD1)	0 days		2011/2/1							
1633		inence Staircase (Ch 420 LHS)		2011/12/10	2011/12/10		4 10/12	!				
1634			99 days	2011/12/2	2012/4/1				0%			
1635	ro	ormwork and concerting	4 days	2011/12/2	2011/12/6		D40%					
		5 (7) A1(9)				-						
1636	St	ep 5 (Ch 410)	19 days	2012/3/12	2012/4/1			€	0%			
1637		River Bed Formation (Ch400-410)	2 days	2012/3/12	2012/3/13			- Jo	% 10% 10% 10% 0%			
1638		Construction of Step 3 (Assume Mass Concrete)	8 days	2012/3/14	2012/3/22				0%			
1639		Construction of Stilling Basin (base slab)	6 days	2012/3/23	2012/3/29				₽50%			
1640		Construction of Baffle Blocks	3 days	2012/3/30	2012/4/1				□ 0%			
1641		3ed formation (Ch 410-450)	21 days	2012/3/23	2012/4/19			•	0%			
1642		cavation	7 days	2012/3/23	2012/3/30				30%			
1643	Pla	acement of Concrete Block at Embankment Toe	7 days	2012/3/31	2012/4/11		1					
		要復 (1985年1987年1987年1987年1987年1987年1987年1987年1987	1-1-1-1	Eto	較基準 臨西	SUCCESSION OF THE PARTY OF THE	里程碑	•	專案鎖要報告	Quantum .	10175	Ŷ
	706 River Prog	要徑分隔 分割	months	nonmental Fig.	校基準分隔		摘要進度		外部任務	8000-00 BOX 1700 B	0000000	*
期: 2011/	12/29		EMISSION .									
		要径進度 任務法	返	比	較基準里程碑 ◇		拘要	4	外部里程碑	•		



識別碼	任務名稱		江網	開始時間	完成時間			2012年						
1706	3.7.					第四		第一季	第	二季	第三季		第四	\$
1705	N/			fays 2011/11/			28/11							
1706	N/			iays 2011/11/			28/11							
1707	N/			lays 2011/11/			28/11							
1708	NA		A STATE OF THE PARTY OF THE PAR	lays 2011/11/2	28 2011/1	1/28	28/11							
1709	N/		0.0	iays 2011/11/	28 2011/1	1/28	28/11							
1710	NA NA		0.0	lays 2011/11/	28 2011/1	1/28	28/11							
1711	N/		0.6	lays 2011/11/	28 2011/1	1/28	28/11		- 1					
1712	NA NA		0.0	lays: 2011/11/	28 2011/1	1/28	28/11							
1713	Retaining Wa	ill (ch 450-500) TR2 (LHS)	54 d	ays 2011/11/1	15 2012/			0%						
1714	Demolit	ion of House 2 Sha Po Tsai	7 d	lays 2011/11/	15 2011/7	1/22	095	¥ 0,=						
1715	Excavat	ion and Formation for TR2 Bay 1 to Bay 3	14 d	lays 2011/11/2	29 2011/1		7786							
1716	Excavat	ion and Formation for TR2 Bay 4 to Bay 5	14 d	ays 2011/12/			ration	me.						
1717	Base Sla	b Construction Bay 1+3 (LHS)	12 d					N45.						
1718		mwork and rebar fixing (with DWF)	10 d					Jac.						
1719		ncreting		day 2011/12/2			₩	.1	1					
1720		pping off formwork		day 2011/12/2										
1721		em Construction Bay 1+3 (LHS)	14 d				2,04	6						
1722		mwork and rebar fixing					11	0%						
1723				ays 2011/12/2	·		.	10%						_
		nereting		day 2012/1				70%						
1724		pping off formwork		day 2012/1	1			Ĵ0%						
1725		kfill		ays 2012/1/1				□ 0%						
1726		b Construction Bay 2 (LHS) del	0 d				.	24/12						
1730		m Construction Bay 2 (LHS) del	0 d				 	24/12						
1735	Base Sla	b Construction Bay 2 +4 + step 6 (LHS)	10 d	ays 2011/12/2	3 2012	1/1/6		0%						
1736	For	mwork and rebar fixing (with DWF)	8 d	ays 2011/12/2	2012	2/1/4		10%						
1737	Cor	acreting	1	day 2012/1,	5 2012	1/1/5		fox						
1738	. Stri	pping off formwork	-10	fay 2012/1/	6 2012	2/1/6	-	10%						
1739	Wall Ste	m Construction Bay 2 + 4 (LHS)	11 d	ays 2012/1/	7 2012/	1/19		0%						
1740	For	nrwork and rebar fixing	5.6	ays 2012/1/	7 2012/	1/12		ins.						
1741	Con	creting	I	day 2012/1/1			:	- 50%						
1742	Stri	pping off formwork		fay 2012/1/1				50%						
1743		kfill	4 d					l nex						
1744	NA	-1	0.4					2012						
1745	NA		0 d				III.X	212						
1746	NA NA		0 d					412	İ					
1747	NA NA		0 d		market and a second constant	II I	1	2/12						
1748	NA NA		0 d	-		II	2	W12						
1749	NA NA						 	V12						
1750	NA NA		0 d				22	W12						
			0 d		_ 1		22	2/12						
1751	NA NA		0 d				→ 2	¥12						
1752	NA.		0 d			man and the same of the same o	1 → 2	V12						
1753	NA		0 da	-				3/1						
1754	NA		0 d	-				3/1						
1755	NA		0 d			/1/3	94	3/1						
1756	NA		0 da	kys 2012/1/	3 2012	/1/3	94	3/1						
1757	NA		0 da	ys 2012/1/	3 2012	/1/3		3/1						
1758	NA NA		0 ds	ays 2012/1/	3 2012	71/3		_3/1						
			AT MA	into port of or constitution						with the contract of the contr	THE PARTY OF THE P			
≰; DC07	06 River Prog	要徑	任務			A Secretary of the second	里程碑	•	專案摘要報告	flanconni.	A. 18110C	0		
期: 2011/		要徑分隔	分割 -		比較基準分隔		摘要進度		外部任務	500 b 400 ft 1000	CONTRACTOR OF THE PARTY OF THE			
		要径进度	任務進度	HAN THE LESS CONTINUES.	比較基準里程碑	\diamond	摘要		外部里程碑	4				
								· · ·	-120-2120-	7				

識別碼	任務名稱		工期	開始時間	完成時間		201								
1250						第四季		第一李	部	- #		第三季		第四季	
1759	N		0 da				10	3/1							
1760	N		0 da				1	3/1							
1761	. N	A	0 da	ys 2012/1/3	3 2012/1	/3	10	3/1							
1762															
1763	Drainage &	Footpath (Ch 450-490 RHS)	14 day	ys 2011/11/29	2011/12/	4	0%								
1764	Constr	ction of drainage & footpath	14 da	ys 2011/11/29	2011/12/	14	0%								
1765	Retaining V	all (Ch 500-530) TR3 (RHS)	272 day	2011/3/16	2012/2/	3 (2000) 1000	CONTRACTOR PROPERTY	0%							
1766	Base S	lab Construction Bay 1 (incl. Step 7) (RHS)	28 day	/s 2011/3/16	2011/4/	18	- i	• • • •							
771	Wall S	tem Construction Bay 1 (RHS)	10 day	rs 2011/4/19	2011/5	13									
1776	Base S	ab Construction Bay 2 (incl. Step 7)(RHS)	20 day				200	ng.							
1777		cavation and Formation	12 da				114.5	Trace.							
1778		rmwork and rebar fixing	6 da:			!		- Arre	.						
1779		nicreting	1 da					500							
780		ripping off formwork	1 d					10%							
781							1 1	0%							
782		em Construction Bay 2 (RHS)	12 day				1	0%							
		rmwork and rebar fixing	5 day					20%							
783		ncreting	1 da	and the second second second second				F_0%							
784		ipping off formwork	2 day			malla I		170%							
785	B	ckfill	4 day	rs 2012/2/9	2012/2/	3		₽ 0%							
786															
787	Cascades (C	h 500 LHS)	42 day	s 2011/10/1	2011/11/1	9	98								
788	Water)	Diversion	21 day	2011/10/1	2011/10/2	0%									
789	Excava	tion .	9 day	rs 2011/10/27	2011/11	5 50%		1							
90	Formw	ork and rebar fixing	. 10 day	s 2011/11/7	2011/11/	7 70%			1 1						
791	Concre	ing	1 da	y 2011/11/18	2011/11/			1	.						
792	Strippi	g off formwork	1 da												
793						T I	1	1 1							
1794	Retaining W	all (Ch 500-530) TR3 (LHS) 7777	46 day	3 2011/11/29	2012/1/2	7	THE REAL PROPERTY.	0.00							
795		ab Construction Bay 1 (incl. Step 7)(LHS)	14 day					0%							
796		move Concrete Block and shotcrete	2 day			1	T 029								
797		cavation & blinding	5 day			10	0% -0% -0% -10%								
1798		-				5	2%								
		mwork and reber fixing (with DWF)	7 day			2	10%								
799		ncreting	1 da			3	30%								
1800		ipping off formwork	1 da			4	0%								
1801		em Construction Bay 1 (LHS)	10 day			0	0%								
802		mwork and rebar fixing	4 day				□_0%								
803		acreting .	1 da			mill I	D)%								
804		ipping off formwork	1 da				0% 10% 10% 10%								
805		ektill -	4 day	s 2011/12/22	2011/12/2	8	10%								
806	Base SI	ab Construction Bay 2 (incl. Step 7)(LHS)	16 day	в 2011/12/24	2012/1/1	4	4	0%							
807	Re	move Concrete Block and shotcrete	4 day	s 2011/12/24	2011/12/3	0 .	CIF _{KOS}								
808	Ex	cavation & blinding	5 day				[Dre	s.							
809		mwork and rebar fixing (with DWF)	5 day			-31	1 3	10%							
810		ncreting	l da					Voles.							
811		ipping off formwork	I da				1 3	70% 10%							
812		on Construction Bay 2 (LHS)	8 day					NA OF							
813		mwork and rebar fixing	4 day			-41		0% 00%							
	06 River Prog	要徑	3 任務 🗀		上較基準 · 個		程碑	•	專案摘要報告	- October	*	期限	Û		
期: 2011/1	12/29	要容進度	ア 西 日 任務進度 西		D較基準可需 b較基準里程碑 <		等 要 等		外部任務 外部里程碑	•					
		女狂感风	11/03/2019.	E	OKK要申主徐晔 /	- 10	135C	*	7下的温程譯	Ψ.					

識別碼	任務名稱	工期	開始時間	完成時間		2012	年									
					第四季		第一	- 李	3	第二章		第三季		穿	四季四季	
1814	Concreting	1 day	2012/1/20	2012/1/20		2	10%									
1815	Stripping off formwork	I day	2012/1/21	2012/1/21			D%									- 1
1816	Backfill	2 days	2012/1/26	2012/1/27			10%									
1817						1										
1818	Drainage & Footpath (Ch 490-525 RHS)	30 days	2012/2/9	2012/3/14		- 11	- T		%							
1819	Construction of drainage & footpath	30 days	2012/2/9	2012/3/14			100	09	,							-
1820																ì
1821	Footbridge TB07 (Ch 525)	119 days	2011/10/3	2012/2/25	and the first over the service of th	CONTRACTOR OF STREET	The state of	0%								
1822	Temporary Pedestrian Division	15 days	2011/10/3	2011/10/20	.0%											- 1
1823	Temporary Pedestrain Division (st grade)	14 days	2011/10/3	2011/10/20	0%											
1824	Demolition of existing Foothridge TB-D (Ch 525)	3 days	2011/10/21	2011/10/24	0%		11.									- 3
1825	Remove concrete pipes and demolition works	3 days	2011/10/21	2011/10/24	T 0%	.]										- 1
1826	Construction of Abutment A (LHS)	27 days	2011/12/31	2012/2/4		(05	%								
1827	Excavation and Blinding	7 days	2011/12/31	2012/1/9		(i))										
1828	Formwork and rebar fixing for base slab	5 days	2012/1/10	2012/1/14		ď,	0%		'							-
1829	Concreting of base slab	1 day	2012/1/16	2012/1/16		7	0%									
1830	Stripping off formwork	3 days	2012/1/17	2012/1/19			109									
1831	Rebar fixing and shuttering formwork for column	4 days	2012/1/20	2012/1/27			0%									
1832	Concreting	1 day	2012/1/28	2012/1/28		1	Hos.									
1833	Stripping off formwork	2 days	2012/1/30	2012/1/31		H	T10%									
1834	Backfill	4 days	2012/2/1	2012/2/4			0%									
1835	Construction of Abutment B (RHS)	31 days	2012/1/18	2012/2/25			DES PROPERTY AND PERSONS ASSESSMENT	0%								
1836	Excavation and Blinding	12 days	2012/1/18	2012/2/3			Took.									
1837	Formwork and rebar fixing for base slab	5 days	2012/2/4	2012/2/9			l dine	es.								1 1
1838	Concreting of base slab	1 day	2012/2/10	2012/2/10			50	% % 50% 50% 10% 10%								. 1
1839	Stripping off formwork	2 days	2012/2/11	2012/2/13			B.	nas.								
1840	Reber fixing and shuttering formwork for column	4 days	2012/2/14	2012/2/17			ď	F1046								
1841	Concreting	1 day	2012/2/18	2012/2/18	-			Fine.								
1842	Stripping off formwork	2 days	2012/2/20	2012/2/21				Frog.								
1843	Backfill -	4 days	2012/2/22	2012/2/25			-	D 08.								
1844	Footbridge TB07 (Ch 525)	31 days	2012/4/12	2012/5/19				0.00		0%						
. 1845	Construction of decking	16 days	2012/4/12	2012/5/2		- 1			ويسول	nes-						
1846	Erection of steel deck+ conc deck	4 days	2012/4/12	2012/4/16					Tros.	0.00						- 1
1847	Deck finishing	10 days	2012/4/17	2012/4/27					· ing							- 1
1848	NA	0 days	2012/4/27	2012/4/27					♣ ″	7/4						- 1
1849	Railing installation	2 days	2012/4/30	2012/5/2		1			D _D	774 52.						
1850	Footbridge TB07 Lighting	15 days	2012/5/3	2012/5/19		1				ner.						- 1
1851	Construction of Drawpits / Ducting	7 days	2012/5/3	2012/5/10		.			*	mes.						
1852	Public lighting Installation (CE2328)	6 days	2012/5/11	2012/5/17						i ne						- 1
1853	Public lighting Installation (CE2329)	6 days	2012/5/11	2012/5/17						ing.						
1854	T&C	2 days	2012/5/18	2012/5/19	-					045						
1855										0,0						
1856	Ch 525-615	497 days	2010/10/15	2012/5/21	VALIMENTS ARRESTS OF THE STATE OF	-	CONTRACTOR OF THE PARTY OF	MERCHAND (NAME)	willelighterschool	0%						- 1
1857		7 days	2011/10/1	2011/10/10	nes					W 0.39						- 1
1858	Retaining Wall (Ch 535-546) TR4 (LHS)	36 days	2012/1/17	2012/3/1	V.0		1000	0%								- 1
1859	Excavation and Formation	14 days	2012/1/17	2012/2/4			224 - Drow	₩ 0%								
1860	Base Slab Construction Bay 1&2 (LHS)	11 days	2012/2/6	2012/2/17	'		0/8	M og								- 1
1000	and one conserved by the gray	11 01/3	2012/20	DINE!		l:	44	0%								
	These years of the same		Stander stage following			-	_			patrone	(1959) CONTRACTOR OF THE PARTY		-			\dashv
直定: DOY	要徑 任利 V06 River Prog	5	比較	基準 回路回	里程度	早	₩.		專案摘要報告	- Person	arrana (b)	期限	4	r.		
日朔: 2011/		1	比較	基準分隔	// // // // // // // // // // // // //	主度			外部任務	0.000						
		強進度	the contract of the contract o	基準里程醇 ◇	繪要		Marin Street	PERSPECTE	外部里程碑	4						-
			2019				-		- 1 refranklikary	*						-
				第 32	貝											

識別碼(任務名稱				工期	開始時間	完成時	W.	AMAZITA APPA	2012年					Ab		
1861	Fo	mwork and rebar	fixing		8 days	2012/2	/6 20	12/2/14	第四季		第一季	第	<u>_</u> #		第三季	第	四季
1862		ncreting	toons		1 day	2012/2/		2/2/15									
1863		ipping off formwo	rk		2 days :	2012/2/1		12/2/17			10% F10%						
1864		em Construction B			0 days	2012/2/1		2/2/17									
1869	1156	so Construction Ba			0 days	2012/2/1		2/2/15			17/2						
1873		em Construction B			II days	2012/2/1		012/3/1			15/2						
1874		mwork and rebar			6 days	2012/2/1		2/2/24			100 U%						
1875		ncreting			1 day	2012/2/2		2/2/25			D*						
1876		ipping off formwo	rk	-	1 day	2012/2/7		2/2/27		-	From						
1877		ckfill	in.		3 days	2012/2/7		012/3/1			90%						
1878					2 unys	2012/27	20				9 0%						
1879	Retaining W	all (Ch 535-546) T	PA (PHS)		35 days	2012/2/1	4 201	2/3/24		-	DESCRIPTION OF THE PARTY OF THE						
1880		ion and Formation		<u></u>	12 days	2012/2/1		2/2/27			li-citinor.	0%					
1881		ab Construction Ba			11 days	2012/2/2		2/3/10			10%	· ·					
1882			fixing (with DWF)		8 days	2012/2/2		012/3/7				1%					
. 1883		ncreting	ixing (with DWT)		1 day	2012/3/		012/3/8			10%						
1884		pping off formwor			2 days	2012/3/		2/3/10			30%						
1885		em Construction Ba			0 days	2012/3/1		2/3/10		1	109						
1890	CONTRACTOR AND ADMINISTRATION OF THE PARTY O	b Construction Ba			0 days	2012/3/1		2/3/10				.0/3					
1894		m Construction B			12 days	2012/3/1		2/3/24				0/3					
1895		mwork and rebar f			6 days	2012/3/1		2/3/17			🕊	9%					
1896		ncreting .	name		1 day	2012/3/1						0%					
1897		pping off formwor	4.		2 days	2012/3/2		2/3/19				0% 10%					
1898		kfill	K.		2 days	2012/3/2		2/3/21			1 '	0%					
1899			96 RHS) TR5 (AD)					2/3/24		4		□ 0%					
1900					306 days	2010/10/1		1/9/27 0%									
1901		tion of temp haul	road acture at slope crest		25 days	2010/10/1		0/11/8		ł	1 1						
1902					8 days	2010/11/		V11/16									
1903		ion of Work due to			17 days	2010/12/		V12/18									
1903		tion of temporary			5 days	2010/12/1		/12/23			1						
A A CORPORATION AND ADDRESS OF THE PARTY OF			om downstream to upstream	0	73 days	2010/12/2	and the second s	1/3/11			4 . .				-		
1905		ock dowel	5 P.O. 1100 C		45 days	2011/2/2		1/4/14		1 -	-						
1906	Constitu	tion of skin wall (from D/S to U/S, from toe to	crest)	165 days	2011/3/1	0 201	1/9/27 0%									
1907					i												
1908		II TR5A CH546-5			34 days	2012/2/2		2/4/10		1	-	0%					
.1909		version, Excavation			24 days	2012/2/2		2/3/26			(conjugate	-10%					
1910		b Construction TR			8 days	2012/3/		2/3/17			94	0%					
1911		mwork and rebar f	ixing		6 days	2012/3/		2/3/15		li .	7	7%					
1912		ncreting			1 day	2012/3/1		2/3/16			1 7	у% .					
1913		pping off formwor			1 day	2012/3/1		2/3/17		1		0%					
1914		m Construction TI			9 days	2012/3/1		2/3/28			•	0%					
1915		mwork and rebar f	ixing		4 days	2012/3/1		2/3/22			1 1 9	-0%					
1916		icreting			1 day	2012/3/2		2/3/23		1		D% .					
1917		pping off formwor	k		1 day	2012/3/2		2/3/24		ž.		F)0%					
1918	Вак				3 days	2012/3/2		2/3/28				n 0%					
1919		b Construction TR			8 days	2012/3/19		2/3/27			N N	0%					
1920		mwork and rebar f	ixing		6 days	2012/3/1		2/3/24				0%					
1921	Cor	ecreting			1 day	2012/3/2	6 201	2/3/26				F _{0%}					
		要徑	(21010-0010-001	任務		F 18 - F 12 G	比較基準	medical section.	工程碑	4	•	專案摘要報告	Shanna .	managy 1	阴限	Ŷ.	
	6 River Prog	要徑分隔	***************************************	分割	mones		比較基準分隔		Andrews old of		•	外部任務	0.0000000000000000000000000000000000000	· · · · ·	varan.	,∨	
日期: 2011/12	U29	要促進度	以於中國地區的學術學是學術學學學		NAME OF TAXABLE PARTY.			_					Δ				
		安性進度		任務進度			比較基準里程品	F 🗸	掩要	4	-	外部里程碑	Φ.				

識別碼	任務名稱	工期	開始時間	完成時間	W	2012年			
1969	Backfill	2 4	2012/3/1	2012/00/0	第四季	第一季	第二季	第三季	第四季
1970	Base Slab Construction TR5A Bay 5 LHS	3 days 6 days	2012/3/1				0%		
1971	Formwork and rebar fixing	6 days 4 days	2012/3/			-	0%		
1972	Concreting	4 days				Lake.			
1973	Stripping off formwork		2012/3/1			- I	0%		
1974	Wall Stem Construction TR5A Bay 5 LHS	l day	2012/3/1				0%		
1975	Formwork and rebar fixing	9 days	2012/3/1	and the second second		9	0%		
1976	Concreting	4 days	2012/3/1				70%		
1977	Stripping off formwork	1 day	2012/3/1				* <u>0</u> %		
1978	Backfill	1 day	2012/3/1				10% 10% 10% 10%		
1979	DREKUL	3 days	2012/3/20	2012/3/22			0%		
1980	Retaining Wall (ch 595-615) TR3 (Bay 3)		20						
1981		63 days	2011/10/1		09				
1982	River diversion, Excavation and Formation	12 days	2011/10/						
1983	Base Slab Construction Bay 3 RHS Formwork and reber fixing	10 days	2011/10/11	. l	0%				
1984		8 days	2011/10/11		70%				
1985	Concreting	1 day	2011/10/20		10%				
1986	Stripping off formwork	1 day	2011/10/21		F _{10%}				
1987	Wall Stem Construction TR3 Bay 3 RHS	6 days	2011/10/22		₹ 0%				
1988	Formwork and rebar fixing	4 days	2011/10/22		□10% □10%		,		
1989	Concreting	1 day	2011/10/27		70%				
1990	Stripping off formwork	l day	2011/10/28		79%				
1991	Base Slab Construction Bay 3 LHS	10 days	2011/11/23		0%				
992	Formwork and rebar fixing	8 days	2011/11/23		10% 10%				
1992	Concreting	1 day	2011/12/2		70%				
993	Stripping off formwork	1 day	2011/12/3		10%				
	Wall Stem Construction TR3 Bay 3 LHS	9 days	2011/12/5		0%				
1995	Formwork and rebar fixing	4 days	2011/12/5		10% 10% 10%				
1996	Concreting	1 day	2011/12/9		20%				
1997	Stripping off formwork	l day	2011/12/10		10%				
1998	beck fill & diversion	3 days	2011/12/12		0%				
1999	Concrete Slab (Ch546 - Ch596) LHS	144 days	2011/11/2		figures and services at	tapare assert to this leaf in a copie	0%		
2000	Bay 1,2,3 RHS	14 days	2011/11/2		0%				
2001	Excavation/Blinding	3 days	2011/11/2		50% ≤50% 50%				
2002	Formwork and rebar fixing for slab	6 days	2011/11/5		Da		-		
2003	Concreting of slab	3 days	2011/11/12		-70%				
2004	Stripping off formwork	2 days	2011/11/16	.h	D-0%	'			
2005	Bay 1 LHS	10 days	2012/3/20			. [0%		
2006	Excavation/Blinding	3 days	2012/3/20				₀ 70%		
007	Formwork and rebar fixing for DWF	2 days	2012/3/23				[¹]0%		
2008	Concreting of DWF	1 day	2012/3/26				0%		
2009	Formwork and rebar fixing for slab	3 days	2012/3/26				D%		
2010	Concreting of slab	1 day	2012/3/29				0%		
2011	Stripping off formwork	1 day	2012/3/30				10%		
2012	Bay 2 LHS	9 days	2012/3/23	2012/4/1			4 0%		
2013	Excavation/Blinding	2 days	2012/3/23		1		1 ⁹ 0%		
2014	Formwork and rebar fixing for DWF	2 days	2012/3/26				The hos		
2015	Concreting of DWF	1 day	2012/3/28	2012/3/28			17%		
	要律	任務	plant 1 1 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2	b較基準 回頭図	里程碑	•	專案摘要報告	期限	<u></u>
	706 River Prog	分割		Consideration of the		*	4-3-342C-1814 A	A MURA	~
期: 2011/	1229				摘要進度		外面紅土粉		
	要徑進度	任務进度	j.	比較基準里程碑 ◇	摘要	Constitution of the Party of th	外部里程碑 🔷		
					35 頁				

識別碼	任務名稱			工期	開始時間	完成時間		2012年							
1000							第四季	第一	-%	第二	季	第三章	E	第四季	
1922	d	pping off formwork		1 day	2012/3/27	2012/3/27			F0%						
1923		m Construction TR5A Bay 2 LHS		9 days	2012/3/28	2012/4/10			€,m0	0% .					
1924		mwork and rebar fixing		4 days	2012/3/28	2012/3/31			□ _{10%}						
1925		creting		1 day	2012/4/1	2012/4/1			10%						
1926	Stri	pping off formwork		l day	2012/4/2	2012/4/2			1709	,					
1927	Bac	kfill		3 days	2012/4/3	2012/4/10			Ži.	0%					
1928	Base Sla	b Construction TR5A Bay 3 LHS		8 days	2012/3/9	2012/3/17			O%						
1929	For	mwork and rebar fixing		6 days	2012/3/9	2012/3/15		1	La⊡tos.				-		
1930	Cor	creting		1 day	2012/3/16	2012/3/16			Pios.						
1931	Stri	pping off formwork		1 day	2012/3/17	2012/3/17			From						
1932		m Construction TR5A Bay 3 LHS		10 days	2012/3/19	2012/3/29			1000 no						
1933	the second section of the second section is a second section of the second section section is a second section of the second section s	mwork and rebar fixing		4 days	2012/3/19	2012/3/22		1 .	Drow Us	9					
1934		creting		1 day	2012/3/23	2012/3/23									
1935		pping off formwork		1 day	2012/3/24				20%						
1936		kfill				2012/3/24									
1937	Dec	KIIII		4 days	2012/3/26	2012/3/29			□ 0%						
	Post Colours 2	TD00 (-1 500)		25.1	20101100				<u>. </u>						
1938	Box Culvert 7			25 days	2012/1/28	2012/2/25		- Comment	0%						
1939		ad Diversion to TR3 Bay 3, River diversion	Excavation	8 days	2012/1/28	2012/2/6	1.	109	6						
1940		tion of Base Slab		8 days	2012/2/7	2012/2/15		1	0%						
1941		mwork and rebar fixing		6 days	2012/2/7	2012/2/13		1 1	D%						
1942		creting		I day	2012/2/14	2012/2/14		1	00%						
1943	Stri	pping off formwork		1 day	2012/2/15	2012/2/15		i i	0% 0% 70%						
1944	Construc	tion of Wall Stem and Top Slab		9 days	2012/2/16	2012/2/25			0%						
1945	Fon	nwork and rebar fixing		6 days	2012/2/16	2012/2/22		1	Thos.						
1946	Con	creting		1 day	2012/2/23	2012/2/23		1							
1947	Stri	pping off formwork		2 days	2012/2/24	2012/2/25			I 0%						
1948									0.0						
1949	Retaining Wa	II TR5A & TR6 CH585-595 LHS		39 days	2012/2/7	2012/3/22			000						
1950		ul Road Diversion (to TR3 and TR5 RHS)		3 days	2012/2/7	2012/2/9		i in	% %						
1951	12.	on and Blinding		12 days	2012/2/10	2012/2/23	1.1.11	1	70 Thoras						
1952		Construction TR6 Bay 1 LHS		6 days	2012/2/24	2012/3/1			0%						
1953		nwork and reber fixing		4 days	2012/2/24	2012/2/28			0% 10% 10%						
1954		creting		I day	2012/2/29	2012/2/29			10%						
1955		oping off formwork					1		30%						
1956				l day	2012/3/1	2012/3/1			10%						
		m Construction TR6 Bay 1 LHS		9 days	2012/3/2	2012/3/12		1	0%						
1957		nwork and rebar fixing		4 days	2012/3/2	2012/3/6			430%						
1958		creting	·····	1 day	2012/3/7	2012/3/7		1	170%						
1959		ping off formwork		1 day	2012/3/8	2012/3/8	1		1,00%						
1960	Bac			3 days	2012/3/9	2012/3/12			Φ _{10%} 10% 10%						
1961		Construction TR5A Bay 4 LHS		6 days	2012/3/1	2012/3/7		1	0%						
1962	Fon	nwork and rebar fixing		4 days	2012/3/1	2012/3/5			□ _{10%}						
1963	Con	creting		1 day	2012/3/6	2012/3/6		£ 1	10%						
1964	Strij	pping off formwork		1 day	2012/3/7	2012/3/7			10%						
1965	Wall Ster	n Construction TR5A Bay 4 LHS		9 days	2012/3/8	2012/3/17			OS.						
1966		nwork and rebar fixing		4 days	2012/3/8	2012/3/12		1	Drog						
1967		creting		l day	2012/3/13	2012/3/13			10%						
1968		ping off formwork		1 day	2012/3/14	2012/3/14		II.	10% 10%						
		画館 1150 1160 1150 1150] rem	200,00		- Article				- Titler -	NAMES OF TAXABLE PARTY.	DESCRIPTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PER	П		
案: DC07	06 River Prog	要徑	任務				里程碑	•		會要報告	##sonsessesses	4 141174	Ŷ.		
期: 2011/		要徑分隔	"分割	PETT BAR 1110	比較	基準分隔	摘要進8	E minimi	外部	任務		1000000			
		要徑進度	任務進度	10050000	Secure Head	基準里程碑 ◇	掏要	-							
		are nearestable	LEAD ME (SE		FUE	and The A	1146/20C	•	▼ 7FHA	10.1357PF	4				

識別碼	任務名稱		工期	開始時間	完成時間		2012年			
					-	第四季	第一季	第二季	第三季	第四季
2016		nnwork and rebut fixing for slab	3 days	2012/3/28				10%		
2017		ncreting of slab	1 day	2012/3/31	2012/3/31			50% 0%		
2018		ipping off formwork	1 day	2012/4/1				0%		
2019	Bay 3 L		11 days	2012/3/26	2012/4/10			CONTRACTOR CONTRACTOR		
2020	and the second second second	cavation/Blinding	2 days	2012/3/26	2012/3/27			I nos		
2021		mwork and rebar fixing for DWF	2 days	2012/3/30	2012/3/31			- E 0%		
2022		ncreting of DWF	1 day	2012/4/1	2012/4/1			10%		
2023		mwork and reber fixing for slab	3 days	2012/4/1	2012/4/3			F-10%		
2024		ncreting of slab	. 1 day	2012/4/5	2012/4/5			F10%		
2025		ipping off formwork	1 day	2012/4/10	2012/4/10			T _{.0%}		
2026	Bay 4 L		11 days	2012/3/28	2012/4/12					
2027		cavation/Blinding	2 days	2012/3/28	2012/3/29			0-096		
2028	For	mwork and rebar fixing for DWF	2 days	2012/4/1	2012/4/2			F _{10%}		
2029		ncreting of DWF	1 day	2012/4/3	2012/4/3			F _{0%}		
2030	For	mwork and rebar fixing for slab	3 days	2012/4/3	2012/4/10			0.0% 0.0% 1.0% 1.0% 1.0% 1.0%		
2031	Ca	ncreting of slab	1 day	2012/4/11	2012/4/11			F _{10%}		
2032	Stri	ipping off formwork	1 day	2012/4/12	2012/4/12			F ₁₀₉₅		
2033	Bay 4 R	HS	13 days	2012/4/13	2012/4/27			0%		
2034	Exc	cavation/Blinding	5 days	2012/4/13	2012/4/18		,	0% 00% 00% 10% 10%		
2035	For	mwork and rebur fixing for slab	3 days	2012/4/19	2012/4/21			d'nes		
2036	Co	acreting of slab	1 day	2012/4/23	2012/4/23	,		ing.		
2037	Stri	pping off fermwork	1 day	2012/4/24	2012/4/24			Fines.		
2038	, геп	iove haul road	3 days	2012/4/25	2012/4/27		,	T 065		
2039			-				-	0.0		
2040	Drainage and	Footpath (Ch525-615 LHS & RHS)	48 days	2012/3/9	2012/5/9			Day.		
2041	Construc	ction of footpath & drainage works	48 days	2012/3/9	2012/5/9		Tion to the second	ng.		
2042	Lighting at C	H 550-610	10 days	2012/5/10	2012/5/21			067		
2043	Construc	tion of Drawpits / Ducting	6 days	2012/5/10	2012/5/16	-		Elines		
2044	Public li	ghting Installation (CE2325)	2 days	2012/5/17	2012/5/18			Toss.		
2045	Public li	ghting Installation (CE2326)	2 days	2012/5/17	2012/5/18			10% 10% 10% 10% 10%		
2046	Public li	ghting Installation (CE2327)	2 days	2012/5/17	2012/5/18	-		Finax		
2047	T&C.		I day	2012/5/19	2012/5/19			hos.		
2048	Removal	of existing lighting (CE1600-B2)	1 day	2012/5/21	2012/5/21			Loui		
2049								0%		
2050	Section 4 - Box Culvert	at Ping Long	0 days	2009/12/9	2009/12/9					
2051	Section 4 - Box Co	alvert (Area A)	0 days	2009/12/9	2009/12/9					
2052	Completion o	f Work at Section 4	0 days	2009/12/9	2009/12/9					
2053										
2054	Section 5 - Landscape I	stablishemnt Works (Portion B, C, D, E, F, G, H & I)	1951 days	2007/9/28	2013/7/1	oje elicacji ne monuncio is kurbojista jir dzyagah e	The Control of the Co	Markanewi (Milie Pelitini Adelan, wilangan, badi, nan-melan ying	ndah pala menggalah dan penggalah dan	Managery 1 Section 1997
2055	Section 5 Landscap		1665 days	2007/9/28	2012/7/26	CONTRACTOR STATE OF THE CONTRACTOR OF THE CONTRA			0%	
2056	Commencement of	Works	1 day	2007/9/28	2007/9/28	The state of the s			U%	
2057	Material Submissio		120 days	2007/9/29	2008/1/26					
2058	Submission Appro		0 days	2008/2/9	2008/2/9					
2059	Landscaping Hard		1541 days	2007/11/11	2012/4/19	10000000000000000000000000000000000000	er Laubau de 1950 de Sand Litter Baumer	METOLOGICA DA		
2060	Landscaping Softw		365 days	2011/1/30	2012/4/18			UNI		
2061	Submission of Tree		400 days	2007/9/29	2008/11/1	1		0%		
2062		rotection of Preserved Trees	1550 days	2008/11/2	2013/7/1				rest is as ive restriction.	
		要復	Ball san		40.15.00		_		of second	0
專案: DC07	06 River Prog	1220			:校基準 1988	里程碑	•	專案摘要報告	期限	Ŷ
日期: 2011/		要徑分隔 分割	11110000011100	H	較基準分隔	······ 摘要進度		外部任務	ue distribution	
		要律維度 任務施	Ť House		:較基準里程碑 🔷	摘要	Cheviologic sand	外部里程碑 🔷		
		120100		P.		474.00		- I MATERIAL A		

	任務名稱	工期	開始時間	完成時間		2012年					-
2063	Lundanna Postdiid 192 J				第四季	第一學	第二季		第三季	第四季	
	Landscape Establishment Works	1550 days	2008/11/2	2013/7/1	September 1 and 1 and 2	Se man Carried on description	the first of the first of the first of				EN MARKET
2064	Completion of Works	0 days	2013/7/1	2013/7/1							
2065		Y									
2066	Section 6 - Landscape Establishemnt Works (Portion J, K & M)	1701 days	2007/9/28	2012/9/6	CONTROLLED SPRINGER STATE OF THE	ni universitati est elektrica elektrica			0%		
2067	Section 6 Landscape Works	1665 days	2007/9/28	2012/7/26	North Statement of the Statement	MCDALLAN MEDITALISM		0			
2068	Commencement of Works	1 day	2007/9/28	2007/9/28							
20,69	Material Submission	120 days	2007/9/29	2008/1/26							
2070	Submission Approval	0 days	2008/2/9	2008/2/9							
2071	Landscaping Hardworks	1161 days -	2008/11/25	2012/4/19	September 1970 Company Organization	Honge Statistica, Application	0%				
2072	Landscaping Softworks	365 days	2011/1/31	2012/4/19	HAT CONTROL SERVICE		0%				
2073	Submission of Tree Survey	400 days	2007/9/29	2008/11/1	1		070				
2074	Preservation and Protection of Preserved Trees	1300 days	2008/11/2	2012/9/6	THE REPORT OF THE PERSON OF TH	entroleurian erenzia renenza	prompt an impact of the se		27113142121212 TANK		
2075	Landscape Establishment Works	1300 days	2008/11/2	2012/9/6		The second state of the second second	- Charles Charles and the Con-	Suggestion and the supplemental states	0%		
2076	Completion of Works	0 days	2012/9/6	2012/9/6					1/%		
2077		2.330	6012170	2012/70					4 6/9		
2078	Section 7 - Landscape Establisherant Works (Portion L, N & P)	1701 days	2007/9/28	2012/9/6	A STATE OF THE PROPERTY OF THE PARTY OF THE	NEST CONTRACTOR PROPERTY	and the Name of States		Marian Company of the		
079	Section 7 Landscape Works	1665 days	2007/9/28	2012/7/26	Here was a visit of the second se	Menor de welet betreek in de seen		Wall pulled how to be and a	0%		
080	Commencement of Works	1 day	2007/9/28	2007/9/28				0	ъ		
081	Material Submission	120 days	2007/9/29								
82	Submission Approval			2008/1/26							
183	Landscaping Hardworks	0 days	2008/2/9	2008/2/9							
084	Landscaping Softworks	1176 days	2008/11/10	2012/4/19	Stationer Section 1997	A PERSON AND TO A PROPERTY OF THE	0%				
085	Submission of Tree Survey	365 days	2011/1/31	2012/4/19	TOTAL HOUSE STREET, ST		0%				
086	Preservation and Protection of Preserved Trees	400 days	2007/9/29	2008/11/1							
X87		1300 days	2008/11/2	2012/9/6	Annabert Dist. Hark to dispense of	Contract Con	ornina hamilia republicano	SHEW ASSESSMENT OF THE PARTY OF	0%		
	Landscape Establishment Works	1300 days	2008/11/2	2012/9/6		Martin Martin Control (1991)		CATABODA APOLICA AREA	0%		
880	Completion of Works	0 days	2012/9/6	2012/9/6	1				• 6/9		
089	8.4.8				É				-		
90	Section 8 - All Remaining Work at All Portions	1950 days?	2007/9/28	2013/6/29	Kemputah sebuah dalah dan dan sebagai	en databasan in distribution of the control of the	nersaksi kanadasi singak	an interest board to post	-10021100-04-19-19-09-		W. 4-2
91	Commencement of Works	1 day	2007/9/28	2007/9/28							
092	All remaining works at all Area	1950 days	2007/9/28	2013/6/29	Service of the service of the section of the sectio	MD 10 and resident trap constitution	COMPANY CONTRACTOR	to the second second	Carmillos (A		TINGESTER
093	Completion of Works	0 days	2013/2/13	2013/2/13							
94		I day?	2007/9/28	2007/9/28							

專案: DC0706 River Prog 日期: 2011/12/29	要徑 要徑分隔 要徑進度	任務 分割	比較基準 比較基準分隔		里程碑 摘要选度	•	專案摘要報告 外部任務	(farmerent)	期限	Û	
	安任地後	任務進度	比較基準里程碑	第37頁	拘要		外部里程碑	♥	*****		

Chiu Hing Construction & Transportation Co., Ltd	DC/2007/00
•	River improvement works in Upper Tai Po River
	Forty-Forth Monthly Repor

Appendix J: Checklist for Rectification of the Non-compliance

Checklist for Rectification of the Non-compliance (NC)

Action Items	Location	Record Photos	Non-compliance Defects	Rectification Method	Rectify Photos	Inspection Date	Inspection by
1.3 (a)	Upper Tai Po River, Area N		Muddy water was observed being directly discharged into river from sump pit near Ch. 250.	A sedimentation tank has been provided to treat the muddy water prior to the discharge into the west branch of the river. The sedimentation tank will be cleaned and de-sludge regularly. During the inspection, no muddy water was generated from the sump pit.		17 Mar 12 24 Mar 12 31 Mar 12 07 Apr 12 14 Apr 12 21 Apr 12 28 Apr 12	Jeb Jul Jul Jul Jul Jul Jul

1.3 (b)	Upper Tai Po River, Area N		Muddy water overflowed from the wheel washing bay was observed	A sedimentation tank has been provided to treat the muddy water from ahead washing bay prior to the discharge into the river. The sedimentation tank will be cleaned and de-sludge regularly	17 Mar 12 24 Mar 12 31 Mar 12 07 Apr 12 14 Apr 12 21 Apr 12	July July July July
×		7-			05 May 12	gud

Upper Tai Po River, Area N The capacity of sedimentation tank near Ch.600 was insufficient. In multiple of the river. Two proper sedimentation tank which have sufficient capacity have been provided to treat the muddy water before discharge to the river. Two proper sedimentation tank which have sufficient capacity have been provided to treat the muddy water before discharge to the river. 21 Apr 12 28 Apr 12	1.3 (c) River, Area
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