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 September 2011

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Executive summary

This is the thirty-seventh 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 September 2011 to 30th September 2011. TR5 construction, TR3 construction, gabion walls construction, temporary diversion of utilities and removal of shotcrete & concrete blocks for temporary protection of river banks 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.

Ecological impact monitoring was conducted on 21st July 2011 by the Ecologist Dr. Mark Shea. The ecological impact monitoring report prepared by the Ecologist is still under preparation and will be attached in next monthly report. Next ecological monitoring was arranged in January 2012. It was agreed with green groups and AFCD that capture survey would be carried out in different phases. The 1st phase was carried out on 1st September 2011, and the 2nd phase was proposed to be carried out on 3rd and 4th October 2011. 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 were two formal complaints in relation to environmental issue received in the reporting month. A complaint incident regarding noise and dust nuisance arisen from rock breaking which carried out near Sha Po Tsai Village during public holiday and Sundays has been referred by EPD on 9th September 2011. And a repeated complaint on dust nuisance arising from rock breaking activity has been referred by EPD on 15th September 2011. ET has conducted investigations for the incidents and details of findings, recommendations and outcome please refer to Section 2.7 and Appendix J.

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

There was no reporting change for this month.

Construction of retaining walls TR3 & TR5, construction of gabion walls and construction of 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 thirty-seventh 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 September 2011. 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. The 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

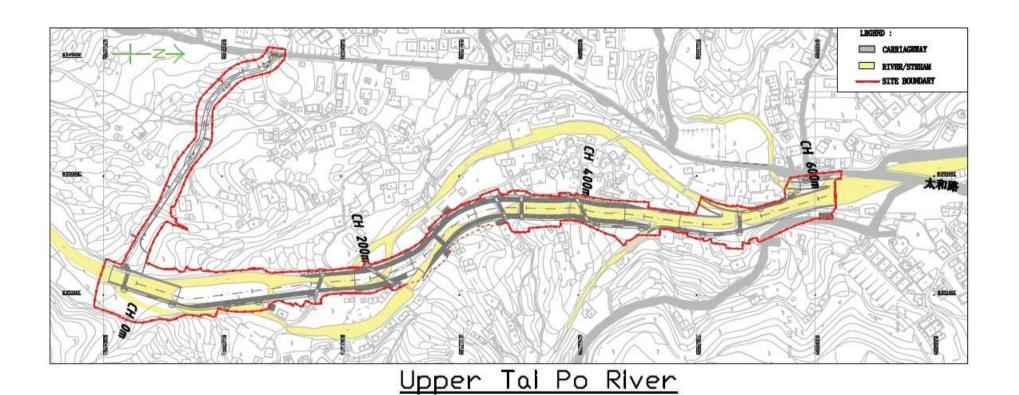
The construction of the proposed improvement works for Upper Tai Po River has been commenced on September 15th 2008 and anticipated to complete in April 2012.

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.) TR5 construction
- 2.) TR3 construction
- 3.) Gabion walls construction
- 4.) Temporary diversion of utilities
- 5.) Removal of shotcrete & concrete blocks for temporary protection of river banks

2.5 Construction activities for the next reporting period

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

- 1.) TR5 construction
- 2.) TR3 construction
- 3.) Gabion walls construction
- 4.) 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

There were two formal complaints in relation to environmental issues were received in this reporting month. A complaint incident regarding noise and dust nuisance arisen from rock breaking which carried out near Sha Po Tsai Village during public holiday and Sundays has been referred by EPD on 9th September 2011. And a repeated complaint on dust nuisance arising from rock breaking activity has been referred by EPD on 15th September 2011

ET has conducted investigations with representatives from Contractor and Resident Engineer on 14th and 19th September 2011 and recommendations were given to the contractor to minimize environmental impacts generated from project works. The complaint investigation reports with details of findings, recommendation and outcome

were attached in Appendix J and were submitted to Environmental Protection Department (EPD) in accordance with the requirement stated in EM&A manual.

Totally nineteen complaints had been received since the commencement of the contract. The cumulative complaint log is shown in Appendix F.

3.0 Ecological monitoring results

Ecological impact monitoring was conducted on 21st July 2011 by the Ecologist Dr. Mark Shea. The ecological impact monitoring report prepared by the Ecologist is still under preparation and will be attached in next monthly report. Next ecological monitoring was arranged in January 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} , 9^{th} , 16^{th} , 23^{rd} and 30^{th} September 2011. Measured $L_{eq\ (30min)}$ results ranged from 48.1dB(A) to 74.3dB(A). And therefore, no exceedance was recorded on within the reporting period.

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 7th, 14th, 21st and 28th September 2011. 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 1st, 12th, 19th, 26th and 30th September 2011. Details of findings were summarized in Table 6.2.

It was agreed with green groups and AFCD that capture survey would be carried out in different phases. The 1st phase has been carried out on 1st September 2011, and the 2nd phase was proposed to be carried out on 3rd and 4th October 2011.

Table 6.1 Summary results of site inspections findings

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
21 Jul 11	General refuse, construction waste and construction material were observed to be near the trees at approximate ch.400.	Observation	remove these materials and to implement good housekeeping practices. Also Contractor was	the general refuse and construction waste near the trees were removed by Contractor	21 Sept 11	
3 Aug 11	Accumulated water was observed inside the construction holes along UTPR.	Observation	Contractor was recommended to	To be followed during the next reporting period.	Ongoing	
23 Aug 11	Insufficient fencing area for tree protection zone was observed at approximate ch.0 of UTPR	Observation	Contractor was reminded to set up proper tree protection zone by robust fencing at dripline of the tree-crown as protective measure for preserved trees within the site.	The fencing area for the preserved tree was enlarged by Contractor for preventing damage from adjacent construction activities	14 Sept 11	
23 Aug 11	Equipments attached with hydraulic oil were observed at approximate ch 0 of UTPR	Observation	Contractor was advised to provide drip trays for the equipments for preventing the soil contamination.	As reported by Contractor, the equipments which attached with hydraulic oil were removed.	14 Sept 11	

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
23 Aug 11	Fuel containers without drip tray were observed at ch.0	Observation	Contractor was reminded to provide drip tray for the containers to prevent oil leakage.	The fuel containers were removed	7 Sept 11	
7 Sept 11	Broken tree fencing damaged by construction works nearby was observed at approximate ch.0.	Observation	Contractor was recommended to replace the broken fence in order to prevent damages to the trees.	The broken tree fencing	14 Sept 11	
14 Sept 11	Excavation was being carried out close to the river channel at approximate ch.600. Water was observed inside the excavation area. Although the excavation area was enclosed by sand bags and bunds, spillage of muddy water into the river during excavation was observed, causing pollution of the river and impacts upon the downstream.		Contractor was seriously reminded 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. 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.	Dewatering via a sedimentation tank was provided for excavation area. However, the river banks were observed to be steep and exposed. Contractor was recommended to cover the river banks with tarpaulin to prevent soil erosion and runoff The discrepancy will be checked in next inspection	Ongoing	
21 Sept 11	Stockpiles of earthy materials were observed without protective measures at approximate ch.200.	Observation	Contractor was recommended to remove the stockpiles or to provide tarpaulin covers for the stockpiles to prevent surface run-off from entering the river. Contractor was also advised to ensure the implemented mitigation measures are sufficient for surface run-off protection during wet season.	The earthy stockpiles were removed by Contractor	28 Sept 11	
28 Sept 11	Equipment and materials attached with hydraulic oil were observed without preventive measure at ch.0.	Observation	Contractor was reminded to provide drip trays for the equipment and materials to prevent soil contamination.	To be followed during the next reporting period.	Ongoing	
28 Sept 11	Oil stain was observed on the haul road at ch.0.	Observation	Contractor was reminded to removed the contaminated soil and dispose them as chemical waste.	To be followed during the next reporting period.	Ongoing	
28 Sept 11	The tree protective net was damaged by construction activities and materials at approximate ch.0.	Observation	Contractor was advised to remove the materials near the fencing area and repair the fence. Also Contractor was recommended to prohibit construction activities around the tree protection zone to preven further damage to the trees.	To be followed during the next reporting period.	Ongoing	
28 Sept 11	Excavation works was being carried out at ch.200 which causing soil erosion and muddy water generation. A reported by Contractor, this is an emergency work for the preparation of the oncoming typhoon and storm.	Observation	Contractor was seriously reminded all the measures stated in the Environmental Permit should be followed as far as possible. Contractor was advised that excavation work shall be carried out in sections and in enclosed dewatered condition. Dewatering of the excavation		Ongoing	

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
			area should be carried out prior			
			to excavation work. All site water			
			shall be well de-silted and			
			treated before discharge. 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.			

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	Advice from	Action Taken	Closing Date	
		Ecologist			
01 September	No Major findings for this	No Advice is	No Action is required	N/A	
2011	inspection	required	to be taken		
12 September	No Major findings for this	No Advice is	No Action is required	N/A	
2011	inspection	required	to be taken		
19 September	No Major findings for this	No Advice is	No Action is required	N/A	
2011	inspection	required	to be taken		
26 September	No Major findings for this	No Advice is	No Action is required	N/A	
2011	inspection	required	to be taken		
30 September	No Major findings for this	No Advice is	No Action is required	N/A	
2011	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. 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.

Also, Contractor was reminded to implement good housekeeping practice. Contractor shall assign proper waste collection area for segregation and storage before disposal. All waste generated should be properly collected, stored, and disposed as soon as possible to improve housekeeping performance of the construction site. Contractor was also reminded to provide drip tray for temporary storage of drums containing oil and chemical.

6.4 Implementation status and effectiveness of the mitigation measures

Refer 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, C&D materials generated, were all reused at Lam Tsuen River for rock filling and therefore no inert waste was disposed from the project. The 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 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 September 2011

Type of waste	Amount generated	Amount reused	Amount disposed
Inert waste	392 m3	392 m3	0
Non-inert waste	35 kg	0	35 kg
Chemical waste	2 kg	N/A	2 kg

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
Permit				
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 retaining walls TR3 & TR5, construction of construction, gabion walls and construction of 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.

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

TR5 construction, TR3 construction, gabion walls construction, temporary diversion of utilities and removal of shotcrete & concrete blocks for temporary protection of river banks 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.

Ecological impact monitoring was conducted on 21st July 2011 by the Ecologist Dr. Mark Shea. The ecological impact monitoring report prepared by the Ecologist is still under preparation and will be attached in next monthly report. Next ecological monitoring was arranged in January 2012. It was agreed with green groups and AFCD that capture survey would be carried out in different phases. The 1st phase has been carried out on 1st September 2011, and the 2nd phase was proposed to be carried out on 3rd and 4th October 2011.

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

There were two formal complaints 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	
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

Frant				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	construction 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
other days	complaint is	of 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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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	l plots and location plan
	F

Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	63.6	65.7	52.5	2-Sep-11	16:03-16:33	N/A	Traffice noise & Background noise	Cloudy	Façade
UTP 2	57.3	56.6	45.5	2-Sep-11	15:33-16:03	N/A	Traffice noise & Background noise	Cloudy	Façade
UTP 3	59.1	59.8	58.2	2-Sep-11	15:00-15:30	N/A	Background noise	Cloudy	Façade
UTP 4	48.1	48.9	46.6	2-Sep-11	14:30-15:00	N/A	Background noise	Cloudy	Façade
UTP 5	52.2	50.6	48.1	2-Sep-11	14:00-14:30	N/A	Background noise	Cloudy	Façade
UTP 6	48.1	47.3	42.3	2-Sep-11	10:16-10:46	N/A	Background noise	Cloudy	Façade
UTP 7	48.2	49.6	44.8	2-Sep-11	10:48-11:18	Rock breaking	Background noise	Cloudy	Façade
UTP 8	55.2	55.9	54.2	2-Sep-11	11:22-11:52	Rock breaking	Background noise	Cloudy	Façade
UTP 9	52.2	52.9	51.2	2-Sep-11	11:53-12:23	N/A	Background noise	Cloudy	Façade
UTP 10	53.2	56.9	39.8	2-Sep-11	9:39-10:09	Rock breaking	Background noise	Cloudy	Façade
UTP 11	55.5	57.4	44.8	2-Sep-11	9:07-9:37	Rock breaking	Background noise	Cloudy	*Free field

Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	74.3	77.9	63.3	9-Sep-11	16:04-16:34	River Sorting	Traffice noise & Background noise	Sunny	Façade
UTP 2	63.1	63.7	46.2	9-Sep-11	15:32-16:02	N/A	Traffice noise & Background noise	Sunny	Façade
UTP 3	65.5	68.0	58.8	9-Sep-11	14:56-15:26	Construction yard sorting	Background noise	Sunny	Façade
UTP 4	52.2	53.2	48.7	9-Sep-11	13:50-14:20	Rock breaking	Background noise	Sunny	Façade
UTP 5	50.6	52.6	42.5	9-Sep-11	14:22-14:52	Rock breaking	Background noise	Sunny	Façade
UTP 6	53.7	53.2	44.3	9-Sep-11	10:14-10:44	N/A	Background noise	Sunny	Façade
UTP 7	51.9	53.8	46.3	9-Sep-11	10:45-11:15	Rock breaking	Background noise	Sunny	Façade
UTP 8	63.1	67.5	54.2	9-Sep-11	11:16-11:46	Rock breaking	Background noise	Sunny	Façade
UTP 9	52.1	52.9	51.1	9-Sep-11	11:48-12:18	N/A	Background noise	Sunny	Façade
UTP 10	57.7	60.5	40.2	9-Sep-11	9:41-10:11	N/A	Background noise	Sunny	Façade
UTP 11	52.5	53.3	46.7	9-Sep-11	9:10-9:40	N/A	Background noise & Public noise	Sunny	*Free field

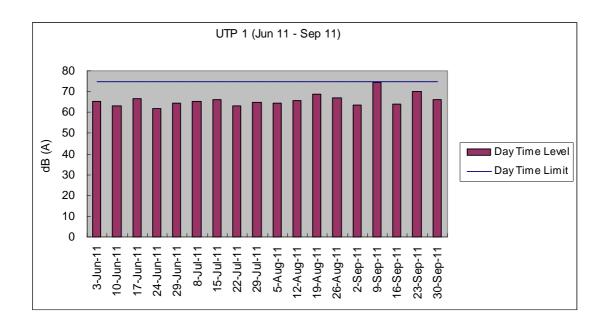
Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	63.8	65.6	52.6	16-Sep-11	16:00-16:30	N/A	Traffice noise, Background noise	Sunny	Façade
UTP 2	58.9	58.4	47.0	16-Sep-11	15:20-15:50	N/A	Traffice noise, Background noise	Sunny	Façade
UTP 3	66.0	60.7	59.0	16-Sep-11	14:48-15:18	N/A	Background noise	Sunny	Façade
UTP 4	56.4	59.5	46.5	16-Sep-11	13:47-14:17	Construction yard sorting	Background noise	Sunny	Façade
UTP 5	55.3	57.0	45.6	16-Sep-11	14:17-14:47	River sorting	Background noise	Sunny	Façade
UTP 6	55.6	56.8	52.4	16-Sep-11	10:24-10:54	River sorting	Background noise	Sunny	Façade
UTP 7	59.2	59.1	47.1	16-Sep-11	10:54-11:24	River sorting	Background noise	Sunny	Façade
UTP 8	58.7	58.9	55.0	16-Sep-11	11:26-11:56	N/A	Background noise	Sunny	Façade
UTP 9	54.4	54.7	52.7	16-Sep-11	11:57-12:57	N/A	Background noise	Sunny	Façade
UTP 10	53.6	55.8	40.6	16-Sep-11	9:46-10:16	Rock breaking	Background noise	Sunny	Façade
UTP 11	61.3	62.9	47.0	16-Sep-11	9:15-9:45	Rock breaking	Background noise	Sunny	*Free field

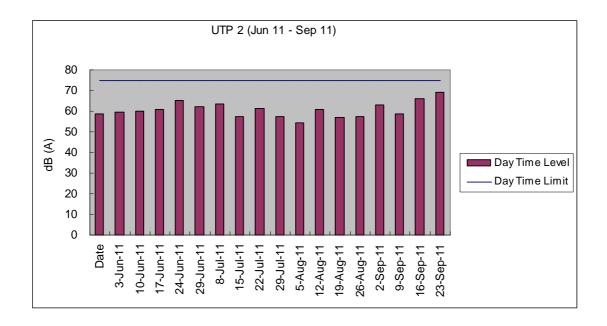
Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	70.2	73.4	58.3	23-Sep-11	14:25-14:55	Construction yard sorting	Traffice noise, Background noise	Cloudy	Façade
UTP 2	66.2	68.1	47.2	23-Sep-11	15:00-15:30	Construction yard sorting	Traffice noise, Background noise	Cloudy	Façade
UTP 3	64.1	67.1	58.1	23-Sep-11	13:55-14:25	Construction yard sorting	Background noise	Cloudy	Façade
UTP 4	51.4	52.6	44.3	23-Sep-11	12:55-13:25	N/A	Background noise	Cloudy	Façade
UTP 5	50.1	53.0	44.6	23-Sep-11	13:25-13:55	N/A	Background noise	Cloudy	Façade
UTP 6	57.6	60.4	45.8	23-Sep-11	10:13-10:43	Construction yard sorting	Background noise	Cloudy	Façade
UTP 7	74.0	77.8	58.8	23-Sep-11	10:43-11:13	Construction yard sorting	Background noise	Cloudy	Façade
UTP 8	59.8	60.8	42.4	23-Sep-11	11:44-12:14	N/A	Background noise	Cloudy	Façade
UTP 9	57.5	53.3	50.1	23-Sep-11	12:15-12:45	N/A	Background noise	Cloudy	Façade
UTP 10	49.2	51.8	39.2.	23-Sep-11	9:35-10:05	N/A	Background noise	Sunny	Façade
UTP 11	61.2	64.2	44.6	23-Sep-11	9:04-9:34	N/A	Background noise	Sunny	*Free field

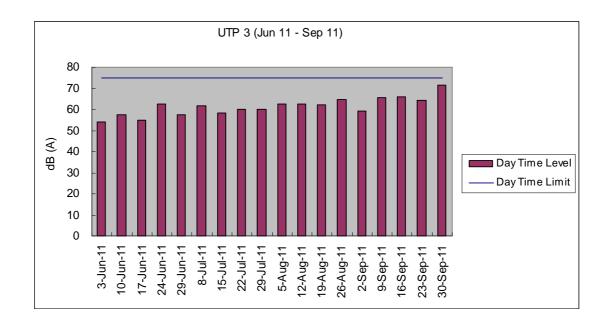
Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	66.3	71.5	58.9	30-Sep-11	15:30-16:00	N/A	Traffice noise , Background noise & Public noise	Cloudy	Façade
UTP 2	69.2	74.3	55.1	30-Sep-11	16:05-16:35	N/A	Traffice noise & Background noise	Cloudy	Façade
UTP 3	71.4	75.3	55.5	30-Sep-11	09:00-09:30	Excavation	Background noise & Public noise	Cloudy	Façade
UTP 4	69.1	74.4	62.8	30-Sep-11	09:32-10:02	Excavation	Background noise & Public noise	Cloudy	Façade
UTP 5	70.0	74.5	65.3	30-Sep-11	10:05-10:35	Excavation	Background noise & Public noise	Cloudy	Façade
UTP 6	63.5	67.8	50.1	30-Sep-11	10:36-11:06	N/A	Background noise & Public noise	Cloudy	Façade
UTP 7	66.2	70.1	49.8	30-Sep-11	11:10-11:40	N/A	Background noise & Public noise	Cloudy	Façade
UTP 8	62.3	66.4	51.8	30-Sep-11	11:45-12:15	N/A	Background noise & Public noise	Cloudy	Façade
UTP 9	68.5	70.2	53.2	30-Sep-11	12:20-12:50	N/A	Background noise	Cloudy	Façade
UTP 10	58.2	60.1	48.1	30-Sep-11	1404:14:34	N/A	Background noise	Cloudy	Façade
UTP 11	62.4	64.2	58.1	30-Sep-11	14:41-15:11	N/A	Background noise & Public noise	Cloudy	*Free field

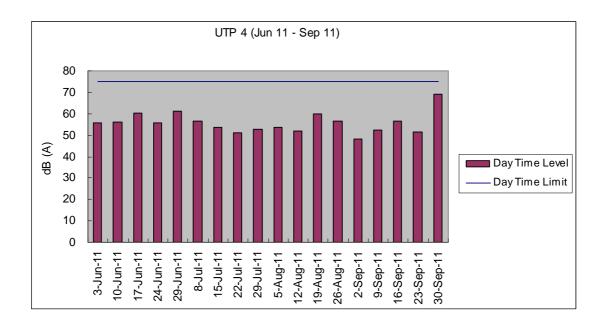
Graphical plot for noise measurements

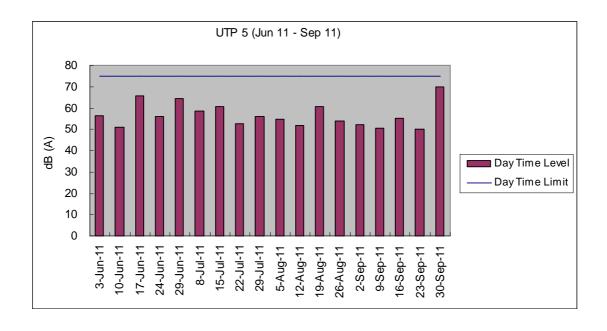
The followings were the graphical plots for the 11 monitoring locations. Each plot showed the date of measurement taken, day time limit of 75 dB(A) as well as the measured daytime level for each location. The graphs contain the data recorded from June 2011 to September 2011.

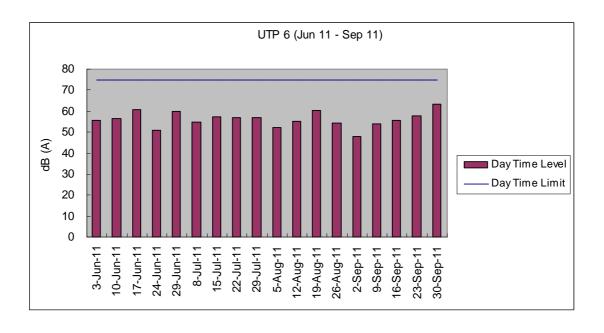


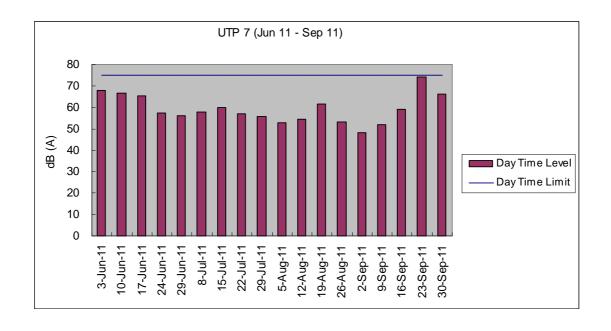


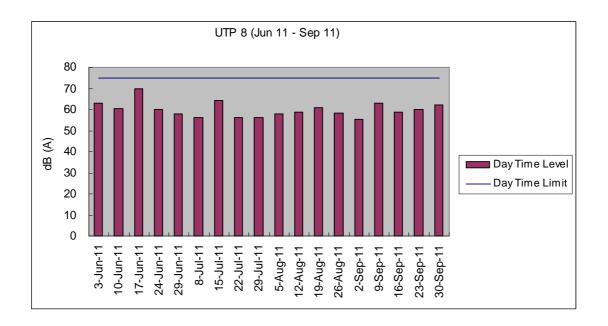


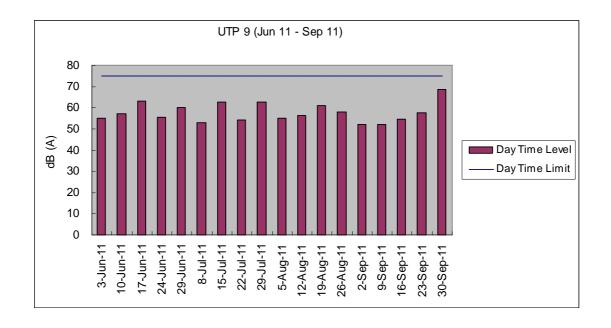


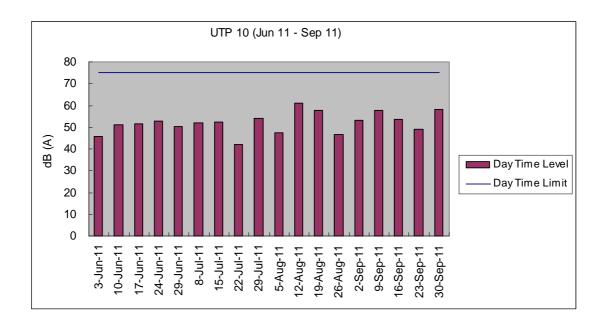


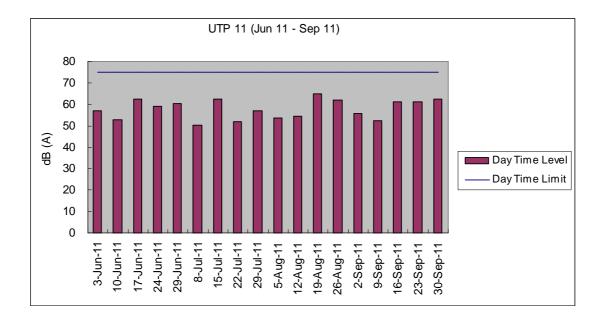


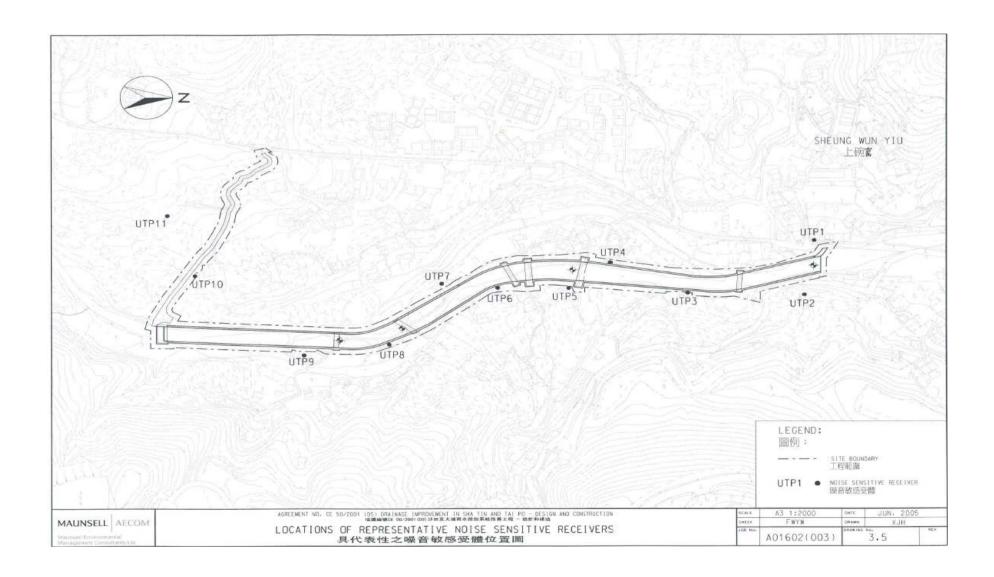












hiu Hing (Construction & Transportation Co., Ltd	River	improvemen	DC/2007/06 t works in Upper Tai Po River Thirty-seventh Monthly Report	
A	Appendix E: Monitoring schedule for the p	resent	t and nex	at reporting period	
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Chiu Hing Construction & Transportation Co., Ltd

Master Schedule of EM&A works in September 2011

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

Master Schedule of EM&A works in October 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01/10
02/10	03/10	04/10	05/10	06/10	07/10	08/10
	Ecological site					
	inspection	2 nd Capture Survey		Site inspection at	Noise Monitoring	
	2 nd Capture Survey			afternoon		
09/10	10/10	11/10	12/10	13/10	14/10	15/10
	Ecological site		Site inspection at afternoon		Noise Monitoring	
	inspection		anemoon			
16/10	17/10	18/10	19/10	20/10	21/10	22/10
			Site inspection and			
	Ecological site		SSEMC at		Noise Monitoring	
	inspection		afternoon			
23/10	24/10	25/10	26/10	27/10	28/10	29/10
	Ecological site		Site inspection at			
	inspection		afternoon		Noise Monitoring	
	оросис		u			
30/10	31/10					
	Ecological site					
	inspection					

Appendix F: Cumulative complaint log

Environmental	Cumulative no.	No. of complaint	Overall Total
Parameters	Brought forward	September 2011	
Air/Dust	3	2	5
Noise	5	0	5
Water	9	0	9
House Keeping	0	0	0
Hygiene			
Chemical waste	0	0	0
Total	17	0	19

C	hiu Hing Construction &	Transportation C	Co., Ltd		River		I works in Upper Ta Fhirty-seventh Mont	
		G: Implation meas		status	of envi	ronmenta	l protection	and

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	Implemented	Not required
Fugitive Dust Emission	-Implement regular watering and vehicle washing facilities	Implemented	Not required
	-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 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	Implemented	Not required
	Land-based plant shall be employed and site run-off shall be directed towards regularly cleaned and maintained silt traps and oil / grease separators to minimize leakage and loss of sediments during excavation	Implemented	Not required
	Large boulders removed from the Tai Po River within the Project during 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	Implemented	Not required
	The excavation area shall be enclosed with bunds or barriers and dewatered prior to excavation to minimize the impacts upon the downstream of the Tai Po River	Implemented	Not required

	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	Implemented	Not required
	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	
	upstream of the watercourse upstream of the Tai Po River	4th 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	Not applicable	Not
	along the banks of the newly improved drainage channel		required
	should be provided to compensate for the loss of riparian		
	vegetation.		
	Operation phase activities in the improved drainage	Not applicable	Not
	channel would be limited to periodic channel maintenance		required
	such as 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)	Chemica	al Waste
	Amount generated	Amount reused	Amount disposed	Amount generated	Amount reused	Amount disposed	Amount generated	Amount disposed*
Year 2008 to 2009	36.9m ³	0	36.9m ³	2.000 tonnes	0	2.000 tonnes	20kg	20kg
Year 2010	1955m ³	1955m ³	0	0.192 tonnes	0	0.192 tonnes	0	0
January 2011	117m ³	117m ³	0	0.040 tonnes	0	0.040 tonnes	0	0
February 2011	581m ³	581m ³	0	0.045 tonnes	0	0.045 tonnes	0	0
March 2011	927m ³	927m ³	0	0.047 tonnes	0	0.047 tonnes	0	0
April 2011	467m ³	467m ³	0	0.050 tonnes	0	0.050 tonnes	0	0
May 2011	835 m ³	835 m ³	0	0.015 tonnes	0	0.015 tonnes	0	0
June 2011	3 m ³	$3 \mathrm{m}^3$	0	0.001 tonnes	0	0.001 tonnes	0	0
July 2011	0	0	0	0	0	0	0	0
August 2011	0	0	0	0	0	0	0	0
September 2011	392 m ³	392 m ³	0	0.035 tonnes	0	0.035 tonnes	2kg	2kg
Total	5313.9m ³	5277m ³	36.9m ³	2.425 tonnes	0	2.425 tonnes	22kg	22kg

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. 16)

(2)(8)	任錫名稱	工期	FT(605年(FT)	光成時間	前置任務	資源名傳		2008年	T	20094f.	7 100	2010年	125	20119 H1		20028 H1		2013 ²	
			251500	2012/8/15	Ļ		H2	HL	H2	HI	H2	H1	H2	l Hi	H2	- H		n	'n +
1174	Programme of Upper Tai Po River	764 days?	2010/4/1				L			\$ - I	<u> </u>			-,	- 13 -		; . .		-
1173	Wet Season of 2010	214 days	2010/4/1	2010/10/31								. (j ;E)	لتنتبث	-1 - 1	onegon.	2 i	1 - 1		H +
1176	Wet Season of 2011	149 days	2011/4/1	2011/9/30								- j					1 - 4		14 +
1177	Works Suspended Due to Villager's Rally	42 days?	2010/11/7	2010/12/18			[]					· i ·			- 14		-1	- 1	∄ -
1178	Ch 230-350	366 days?	2011/1/28	2012/4/19							5	- 1			- 14 -	- + -	Z -1	- 1	14 -
1179	Oabien Wall (Ch 230-275 RHS) TG1/TG1A	40 days	2011/1/28	2011/3/12								- 1			- 14 -	- +	!	- 1	1-1-1
1183	Retaining Wall (Ch 275-330 RHS) TR1 (replaced by ADI)	183 days?	2011/3/7	2011/10/17		TP2					3			1.000	- 14 -				1 4
1184	Escavation and Formation	12 days	2011/3/7	2011/3/19	1181	1					500	1		B	- 11 -	_ 1			- A
1165	Laying Concrete block and gubion units (Ch275-320 RHS)	12 days	2011/3/21	2011/4/2	1184	-	† ·				500			5 . 8	100				1
1186	Backfilling	6 days	2011/4/4	2011/4/11	1185	1	1		,	7 7 7	5	1_		.1 . 1	.0.5			1	1 1
1187	Excavation and Formation	7 days	2011/10/3	2011/10/11	1176	†	t			:	5 5 7 7			1	11		'		1.1
1188	Laying Concrete block and gabion units (Ch320-330 RHS)	4 days	2011/10/12	2011/10/15		·	†				7		7 7 7	1	- 0		1011	3.6	13.3
1189	Backfiling	1 day?	2011/10/17	2011/10/17		+	+	7		1	7	77.7		7	10.	r 7 - 1		1	17 3
1190	Drainage & Footpath (CH 275-320 RHS)	21 days	2011/10/3	2011/10/27		†	† • • •				7	15.		-,	10.0	7	,		17 3
		21 days	2011/30/3	2011/10/27	· k	 	t - • •				7	- ; :		-,	7.0	77.	1777	7.7	17:
1191	Construction of drainage & footpath	29 days	2011/12/21	2012/1/30		 	ŧ				7 - 77			50.0	7.6.7	TT	,		17.7
1192	Gabien Wali (Ch 315-330 LHS) TG2A	14 days	2011/12/21		11985S-14 edays	-	ł ·			7	777			70.0	70.7	- B	,		17 7
1193	Remove Concrete Blocks and shotters:	THE RESERVE THE PARTY OF THE PA	2012/1/9	2012/1/16		-	f ·			7	~ ·	-	- 7	-,	7.0	H1%- 1	,		17 7
1194	Bacavation and Formation	7 days	2112		1194FS-3 editys		} ·		,	T	$\gamma = -1$		T	-,	10.5	計畫:	,		17 3
1195	Gabios Wall Construction (Ch 315-330 LHS)	9 days	2012/1/14	2012/1/27		- 	ļ ·		,	т	2 - 4 -	- 1	· r	-,	- m -	H offi	2002		11 7
1196	Backfilling	2 days	2012/1/28					,	, ÷	T	-,	- 1		-,	717 "	Haaibi	1		1-1 -
1197	Maintainence Staircase (Ch 315 LHS)	4 days	2012/1/4	2012/1/7			ļ ·	,	, <u>.</u>			- 1		-,	- 171 -	╟┨╟╶	, - :	- I	14 7
1198	Fermwork and concreting	4 days	2012/1/4	2012/1/7	4		ļ ·					- 1		-1	- 14 "			- 1	- →
1199	Drainage & Footpath (Ch 307-330 LHS)	14 days	2012/1/28	2012/2/13	A		ļ ·		1		42.0	- 1		-1	- 14 -	- + A-	1	- (H +
1200	Construction of drainage & footpath	- 14 days	2012/1/28	2012/2/11	1195		ļ					- 1		-1	- 14 -	- + l ¹ L -	!	- 6	Η -
1201						1	ļ				A	- 1		-t	- 14		بماسي	- 1n -	14 4
1202	Temp Utility and Pedestrian Discraion at Ch230	195 days	2011/8/1	2012/3/24			I		٠		2	15		-t	- 4	- 4 -			14 -
1203	Temp UU diversion near Ch230	S2 days	2011/8/1	2011/9/30	1		l	1	12 2 2	4	1000	- 1		-i					14 4
1204	Implementation of Federtrian diversion Scheme	119 days	2011/11/1	2012/3/24			I : : :			1 1 1	1	. 1		-1	- 9 -				14.2
1205							Ι		12 2 2	4	3	10.1			- 9 L	4 -			14 4
1206	Demolition of Interim Poothridge at Ch230	17 days	2011/10/3	2011/10/22	1	TP2A	1			1 1 2	3			, i	-95	414 - 1			14.4
1207	Construct Temp crossing at Ch230	7 days	2011/10/3	2011/10/1	1203		T				3.0	1		, F	29.5	ا دادایا	1 - 3		14 4
1208	Demolition of linerim Footbridge	10 days	2011/10/12	2011/90/22	1207		†	,				1		7	7.1	테기그	_ '	1.	11.
1209					1		1	,	,		7	1			13		'	!	i. :
1210	Gabion Wall (Ch 230-257 LHS) TG2/TG2A/TG2B	31 days	2011/10/18	2011/11/22	d	TP2A	†	,				-,		-,	- 6.7	441			13.3
1211	Remove Shotonte & coursete block	5 days	2011/10/18	2011/10/23	1208FF	1	†	,	,		7			", " "	10				
1212	Escavation and Formation	13 days		2011/11/	1211	·	†				-,	-,		7	- 0	1 T			13.3
1213	Gabion Wall Construction (Ch 230-257 LHS)	12 days	2011/11/1		1212PS-7 odays	+	† :)		7	7	-,		7	- 0 -	阻门	,		7
1214	Backfiling	3 days	5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	2011/11/1			†	1		7	7			-,	-0.5	MATE I	,		17.7
1215	Meintainence Staircase (Ca 242 LHS)	4 days	2011/11/18	2011/11/22		TP2A	† • • •	1	,	r	7	- 1		-1			,	(7
	Formwork and concreting	4 days	2011/11/18	2011/11/2		+	†	1		1	-,	- 1		-,	- 01 -	MT7 -	,		17 7
1216		15 days	2011/11/16	2011/32/3		TP2A	+	1			-,	- 1		-1	- 17 -	- T	,	;	17 7
1217	Gabion Wall (Ch 257-270 LHS) TG4	5 days	2011/11/16		1214FS-2 days	1720	f	1				- 1	- +	-9	~ 14 -	T	1	1	11 *
1218	Remove Counsts Blocks and shotenee	3 days	2011/11/21		1218FS-1 day		f ·	1		+	-1	- 1		-:	- 14 -		!	3	11 *
1219	Excavation and Formation	A STATE OF THE PARTY OF THE PAR	2011/11/26		1219FS-3 days	+	+			+	-1	- 1		-5	- 14 -		!	!	11.1
1220	Gabion Wall Construction (Ch 257-270 LHS)	4 days		2011/12/		+	ļ ·	4		+		- 1		-1	- 14 -	ELT: -		!	H *
1221	Backfilling	2 days	2011/12/1			TTPO A	ļ ·			±	J	- 1		-3	- 12 -	-	'	!	H 4.
1222	Rotsining Wall (Ch 275-315 LHS) TR1 (replaced by AD1)	39 days	2011/12/1	2012/1/18		TP2A	ļ ·			L = =	2	- 1		-1	- 13 -	M-Y-	'	, - !	1-1-2
1223	Remove Concrete Blocks and shotosete	5 days	2011/12/1		122155		ļ ·	J		L	2	- 1		-1	- 14 -	[[]] - []	'		14.5
1224	Excavation and Formation	21 days	2011/12/7	2012/1/			ļ ·	J	·	L		- 1		. J	-94	HB5 -	'	'	H÷
1225	Laying Concete block and gabion units	21 days	Annual Street,		12243S+7 edays			1		<u> </u>	2 - 2				-9-	HTP	!	!	14 -
1226	Backfilling	7 days	I	2012/1/18	Barrier Committee Committe		1	1	·	1	2 - 2	- '			- 9 -		'	'	14 -
1227	Drainage & Poetpath (Ch 200-307 LHS)	60 days	2011/11/18	2012/2/2	1				,	1	,		1	!		h.dD.d			П.
									E-Wildelman	meconz				_					
and and 4	Aaster Prog (Aug10-Apr1) 任務 =======	•	上數型任物		上與型準度		外台	任務	8.031 SUES	distriction.	終要群组			•					
evised N 接: 2011	raster Prog (Aug 10-April		上斯松里程碑 🔷		分割		193	接受	Canada	amosti.	期限	· 😷							
	3414 19150		The Property A.			, ,			-										

紛厲	任務名稱	工期	開始到開	完成時間	前置任務	資源名構		2008年		2009年	7	2010年	7	2011年	125	2012年	T R	2013	HI I
				20722	1014 1000		H2	HL	H2	HI	H2	E1	H2	Ht	112	HI.	L		TT:
1223	Construction of drainage & footpath (Ch 200-307 LHS)	60 days	2011/11/18		1214.1226FF+7 e	TP2A	ļ	! '				- !		-(∵: - }	타~ -	-;	- 10 -	1111
1229	River Bed formation (Ch205-236)	7 days	2011/12/3	2011/12/10		TP2A				<u> </u>	-1	- !		-!	∵ - ⊪	₽ h -	-;	;	1111
1230	River Bed Summion (Ch205-236)(From TE03 to Step2)	7 days	2011/12/3	2011/12/10			ļ ·	! '				-	÷	-!	:: - lb	요 -	-:		111 5 1
1231	Step 2 & Stilling Basin (Ch 236)	20 days	2011/12/12	2012/1/6	k		1	! '	'			- '		-!	· : E	n:	-:	}	4 H 5 4
1232	Construction of Step 2 (Assume Mass Concrete)	10 days	2011/12/12	20(1/12/22			1 - 1 -	! '	٠				·	-,	::: - ⊪	學	-:		시네 함시
1233	Construction of Stiffing Basin (Assume Precast Cone Blocks)	10 days	2011/12/23	2012/1/6				'	'			- !	<u>'</u>	-!	2 4	- 起	-1)	- 14 - 5 -
1234	Cascado (Ch. 275)	21 days	2012/1/4	2012/1/31		TP2A		1			2			-!		×4 -	-:		- - - -
1235	River Bed formation (Ch236-275)	7 days	2012/1/4	2012/1/11	1233PS-3 days	1	1),			7 7 7			.'	. '' . II	1,64			- - - -
1236	Construction of Cascado (Ch 275)	14 days	2012/1/12	2012/1/31	1235		t	,,		7 7 7	~ · · ·	- 1	T	7	'' I	111			- 11 -
1237	Step 3 (Ch 307)	28 days	2012/1/30	2012/3/1		-	† :	1	,				r	-,				- 1	
		7 days	2012/1/30		Annual Company of Street	TP2	t ·				~ ·	- 1		-1	''ı - [T HTP2		- 1-	111.1
1238	River Bed formation (Or275-907)	10 days	2012/2/8	2012/2/18			 					- 1		-1	· • • • • • • • • • • • • • • • • • • •	17.76		- 1	1111
1239	Construction of Step 3 (Assume Mass Concrete)			2012/3/1								- 1	+	-1	14 -	1 To-	-1	- 1	1111
1240	Construction of Stilling Basin (Assume Precast Coor Blocks)	10 days	2012/2/20			T2A	ļ ·	4			-1	- 1	٠	-1	·•• - }}	1		1	· - * ·
1241	River Bed formation (Ch 236-330)	30 days	2012/1/27	2012/3/1	A	12A		4			e1	- t	L	-1	· +4 - -	1-160-	-1	1	~ - * ·
1242	Plucing Grade 500 toe Stone	30 days	2012/1/27		1240FF			4 1			J	- I	h	-1	.i.a ⊪	4 441	-1		- H * -
1243	Lighting at CH 250-320	45 days	2012/2/3	2012/3/26	i		ļ	5			$J = a \cdot c$		L	-1	. i.e -	140	-1		- H
1244	Construction of Drawpits / Ductings	21 days	2012/2/3	2012/2/27	\$	İ	L			1	2		1 - 2	J	. 12 a	1144-	-1		- - 4 -
1245	Public lighting Installation (CE2318)	12 days	2012/2/28	2012/3/12	1244					L	12.00			1		⊥ ∭a-	-1		- - 4
1246	Public lighting Installation (CE2317)	12 days	2012/2/28	2012/3/12	1244	1	T				3			J	III	البال ال	-1		_
1347	T&C	- 6 days	2012/3/13	2012/3/19	1245,1246		1		,			1			11	L L	1		_ _
1248	Removal of existing lighting (VA1311-Z1)	6 days	2012/3/20	2012/3/26	1247		†				7		7	,	11	15 EK	1		1 1
	Removal of entiring lighting (AMASTALL)		2010/200				t ·				-,			-,		15 [[-	-,		107
1249		127.4	2011/10/12	2012/3/26			} ·	:		÷		- ;		-,	11		-,		1177
1250	Poothridge T1904 (Ca 330)	137 days		2011/12/22			ļ ·				-; :	- ;			- T	₩ 11°	-,	: 700	1177
251	Construction of Abutment A (LESS)	22 days	2011/11/28				ļ ·				-j :	- ;		-;	· 6 - H	Œ H∙	-,	1 - 7 -	1115
252	Exceptation and Blinding	5 days	2011/11/28	2011/12/2		-	ļ i				·	- :	÷	-,	· .: - -	篆 日-	-,	6 .	- H = 1
253	Formwork and retur fixing for base slab	5 days	2011/12/3	2011/12/8			L				-1			-,	- i - ⊪	曆 日-	-,		- [-]
1254	Concreting of base slab	1 day	2011/12/9	2011/12/9			L			:				-,	-	₩ Ы-	-,		- - + -
1255	Stripping off formwork	3 days	2011/12/10	2011/12/13	1254		L	1			· ·	- :		-,		展月-	-,		7
1256	Reber fixing and shattering formwork for column	5 days	2011/12/14	2011/12/19	1255		T	7		E.						B≱U.			
1257	Concreting of column	1 day	2011/12/20	2011/12/20	1256	1	1	7	,	F	,	-				∥ĻIJ.	-i		_
1258	Stripping off forcework	2 days	2011/12/21	2011/12/22	1257		t :			7	-,	- 1		-,		16 []			. 11 :
	Construction of Abstract B (RHS)	24 days	2011/10/12	2011/11/8		TP2	t :			r		-		-,	''	11-11-	-,	:	
1259		2 days	2011/10/12	2011/10/13	A	+	t	4	1	+		- 1		-j		11-11-	-1		111.1
1260	Remove shoorete			2011/10/19		+	ļ ·	4		+		- 1		-1	· '4 - 🗗	## t -		!	1111
1261	Exercation and Binding	5 days	2011/10/14				ļ ·	d				- 1	L	-1	· · 4 - 18	• + -	-'		- -
1262	Postswork and reber fixing for base slab	5 days	2011/10/20	2011/10/25			ļ ·				2		L	-!	.u19	/ - + -	-'		- -
1263	Concreting of base slab	1 day	2011/10/26	2011/10/26			l	J		i	1		4	J	. u . 🖟	세세 - 1	-'	5 -	- - -
1264	Stripping off formwork	3 days	2011/10/27	2011/10/29			1			L	2		1	J	. リード	세세시다	-1		- - 4
1265	Richer fixing and shutering formwork for column	5 days	2011/10/31	2011/11/4			Ι	1			1	1	<u> </u>		. 연고 [8	세계 년 -	-1		- - -
1266	Concreting of base slab	1 day	2011/11/5	2011/11/5	1265				·		1		1	1	. V . k	세계 년 -	_'		- - -
1267	Suppose off formwork	2 days	2011/11/7	2011/11/8	1266	7	1	1 .		1	3		·		. O . Ili	مللاك	'		- - -
1268	Construction of Jacking (stac) deeks	16 days	2012/5/3	2012/3/20			T	,	,	7	,	1		1	11				- 1.1 .
1269	Erative of virel des 4 pine, desh	d riugs	511 2 12	8012798	1205	†	†	1			7	-,		,	10 TH				
	Do & Relation	19 dga	201290	5197/13		+	t	,	,		7	-,	7	-,	:::::::		-,		101
1270		2 three	2012/3/16	2012/3/3		+	† ·				7	-,	7	-,	10 TH	111111	7.7		111.7
1271	Paling institutes		2012/3/7	2012/3/26		-	t ·		,		7	-,	7	-,	: o = []		-,		177
1272	Demolition of Bridge TB-A	17 days				+	t ·		,		$\gamma_1 = \gamma_2 = \gamma_1$		7 ~ -	-,	· o - }	liti ht	-,		1 7
1273	Water Pipe Diversion	14 days	2012/3/7	2012/3/22			+	,			4	- 15	r	-1	∙o -lt	机开管	-,		- - -
1274	Remove conceste pipes and demolition works	3 days	2012/3/23	2012/3/26		4	+				4		r	-,	- na - []	바다	-,		- - -
1275	Lighting at Footbridge TB04	11 days	2012/3/1	2012/3/19		ļ	ļ ·	· 		·				4000	- 17 -	바바	-,		-
1276	Construction of Drawpits / Ductings	7 days	2012/3/7	2012/3/14			1				-,			-,		肝肝療	-,	- 1	- - -
1277	Public lighting Installation (CE2315)	3 days	2012/3/15	2012/3/17		1	L		1					-1	ا - اور	制計場			
1278	Public lighting Installation (CE2316)	3 days	2012/3/15	2012/3/17	1276			,						-		H.I.I.bl.			
	[上鄰型任務	2-2-2-24	上類影進度 ■		- 44.4	经验	Carrier of the	HERSEN	摘要群組	_	$\overline{}$,					
evised	Master Prog (Aug10-Apr1 任粉 ====== 用程件								Market Street	meterre	MM MM	Ţ,	•						
	11/1/26 按摩 類要		上新型工程等 🔷		分割			付倉受											

MARIE HAVE	The visit of the	工期	网络特局	完成時間	的質任務	資源名解		2006/01		2009年		2010年		2011	86	131	012年		2013	54F	
SACHINS	任務名編	1.365	MEANIN	SERGETRU	BURLEON	RA-DH	H2	Hi	H2	Hi	H2	HI	H2	1		H2	H1	Ft2		н	· H
1279	T&C	1 day	2012/3/19	2012/3/19	1278				-	1 :		. '	·	_!	13 :		Ш.	.'		. 4	4 -
1280	Construction of Gabion Wall at TB-A	5 days	2012/3/27	2012/3/31			1	3	70.00	1	7.1	30.00	1	-1 -		. [1][5]	₹.			-14-3	
1261	Excevation and Formation	2 days	2012/3/27	2012/3/28	1274			1		1	200		ï	200	'!' .	. [1][[:]	ļ. ļ	.'		. J.J. 3	4
1282	Gabine Wall Construction (ed) TBA LHS)	2 days	2012/3/29	2012/3/30	1281	1	1	7		100	3.7.7			1	'!	. I <u> </u>	[b .	.'	. '	. [4] 3	<u>.</u>
1283	Baciefiling	1 day	2012/9/31	2012/3/31	1282		T	7	-,	1	200				''	. 11812)	Ш.		- '	. [4] /	
1284					1		T	7	-,	1	2.5	1		_'			Ш.		- '	. [] .	
1285	Poorbridge TB05 (ch 350)	329 days	2011/3/10	2012/4/19		1	†	7	-,	7 - 7	7		7		- احتط	111.	TIV.			. [] .	
1286	Construction of Abutment A (LHS)	20 days	2011/12/31	2012/1/27		1	1	7	-,	7	7	- (7	-4	100		Ш.,			. [] .	
1287	Escavation and Blinding	5 days	2011/12/31	2012/1/6	1323	1	T	3	-,	1	7	-	T	-1 -	100	HIII	Ш.			. [] .	
1288	Formwork and rebar fixing for base slab	4 days	2012/1/7	2012/1/11	1287	† · · · ·	† · ·	7	-,		7	-,		7, 7	13	IIII				111.	
1289	Concreting of base slab	1 day	2012/1/12	2012/1/12	1288	1	1	3	-	7 - "	-,	- !		-1 -		HILLAR				. [] .	
1290	Stripping off formwork	3 days	2012/1/13	2012/1/16	1289	-	†			7		-		-1-	:- :		ΔI				
1291	Rebat fining and shattering framwork for column.	4 days	2012/1/17	2012/1/20			†			+	-1	-		-1 -	14		T1- '		- !		
1292	Concreting of column	1 day	2012/1/21	2012/1/21	1		†		-1	+		- !		-1-	1-4 -		J1- '			111.7	
1293	Stripping off formwork	2 days	2012/1/25	2012/1/27		·	† • •		-1	+		- !		-1 -	14	HIN	A		- ;		
1294	Construction of Abutment B (RHS)	19 days	2011/3/10	2011/3/31			t		-!	+		-!		7		1111.1	H- :		- :	11.7	
1302	Construction of docking	57 days	2012/1/28	2012/4/3		÷	†		- !			-!		-1		11111	~			117.7	
1302	Mink finalism of a title age	In duya	2013/5/28	3012/2/5		 	}	J	-:			- !		-:-			H			11.7	
1304	Fireford skel do at vent do A	4-la ₇₊	2012/2916	\$0,000		+	f		-:		1	- :		-, -		11117	15.			17.7	: "
	Der's finaling	10 6.60	2013/5/23	3/13/79/7		-	1		-:			-;		-:-		11 1	110			11 7	: -
1305		2.26	2012/4/2	2013/65	Anna e como e co	÷	+	4	-:	·		- :		-; -	6	1183	tin :	-,		11	; - :
1306	Ro-bay iar-al-af-ch	17 days	2012/3/21	2012/4/13		+	+		-;	· ÷						1107	₩.	-,		117	; - :
1307	Demolition of Bridge TB-B		2012/3/21	2012/4/13			+	-:	-;	· ÷		-	7	-;-	6	11111	†an ∶	-,		1117	: - :
1308	Water Pigo Diversion	14 days	2012/4/11	2012/4/1		+	+		-;	· ÷ - ·	-,	- }	7			11111	t litt	-,	- 6 -	1117	: " '
1309	Remove concrete pipes and demolition works	3 days		2012/2/20			+		-;			- ;	7		6 -	11113	₽H.	-, - "	100	* [4] 7	
1310	Lighting at Footbridge TB05	10 days	2012/2/9			ļ	+	-,		·	-,		7	-, -	6 -	· † †	7배.	-,		1/17	9 -
1311	Construction of Drawpits / Ductings	6 days	2012/2/9	2012/2/15				á					7	-, -	6 -	네베쉐	WH:		100	· H :	3 -
1312	Public lighting Installation (CE2313)	3 days	2012/2/16	2012/2/18	AND DESCRIPTION OF THE PARTY OF		+	÷	-;			- ;	r	-, -	5 - 15 h	· LHIIJ	MH.	-,		- - 1	1 -
1313	Public lighting Installation (CE2314)	3 days	2012/2/16	2012/2/18			+	3 - 5	-,		-,	- ;	r	-1 -	17	· [#][#]	MH.	-,	- 1	- - -	7 -
1314	T&C	1 day	2012/2/20	2012/2/20			ļ	á	-,		-,			-1 -		, itilia	F ₩ :	-,	- 1	- - •	9 -
1315	Constanction of Gabion Wall at TB-B	5 days	2012/4/14	2012/4/15			ļ		- ,			-		-1 -	19 -	· [H]]-]	H 187	-,	- 1	- - -	7 -
- 1316	Excavation and Formation	2 days	2012/4/14	2012/4/16			ļ		- 1	·		-	+	-1-	14 -	- [#][#]	1-18P-	-1	- ;	- - -	
1317	Gabion Wall Construction (adj TBB LHS)	2 days	2012/4/17	2012/4/18			1		-1			-	+	-1-	14	- [취]하	- - -	-1	- i	- 14 •	
1318	Backfilling	1 day	2012/4/19	2012/4/19	1317	4	1		-1			- 1		-1 -	14 -	- 14314	FIH :	-1	- 1	- 14 4	A
1319							ļ	4	-1			- 1	L	-1-	14 -	- [+회4]	HH.	-1	- 1	- H 4	À -
1320							1	ك	-1				L	-1-		التاليال -	J-1H -	-1	- 1	- 14 7	å -
1321	Oubion Wall (Ch 335-345 LHS) TG2/TG2A	11 days	2011/12/21	2012/1/5		TP2	1	3	-1			- 1	L	-3 -	14 -	- Hitel	1111	· · ·	- 1	- H 3	ļ -
1322	Remove concrete blocks and shotcrete	2 days	2011/12/21	2011/12/2			L	3	-1	. L		- !	4	- 1-	12 -	- 내///종	FIH.	-'		- [-] 4	<u> </u>
1323	Exception and Formation	5 days	2011/12/23	2011/12/30				$J = \omega$	-1				L	-1-	9 .	- -	· HIH ·	-'	- 1	- 14 /	<u> </u>
1324	Gabion Wall Construction (Ch 335-345 L1(8))	5 days	2011/12/28		1323FS-3 edays		4	1	-1	. h		_ !	1	- l-	9 .	- - [원	rkill r	-'	- '	- 14 /	<u> </u>
1325	Backfilling	2 days	2012/1/4	2012/1/			1	1	-'	. 1			<u> </u>	! -	17 .	- ↓ <u> </u> ∆	₽ ₩.	-'	- '	- H /	
1326	Drainage & Footpath (Ch 535-345 LHS)	12 days	2012/1/6	2012/1/19			4	1	-'			_ '	<u> </u>	-'-	17 -	- 11109	4⊪.	-'	- '	- 14 /	<u>-</u>
1327	Construction of drainage & footpath	12 days	2012/1/6	2012/1/19			1	1	.'			_'	·	_' _	'2' -	الإلليا .	FIH.	-:	- 1	- 14 /	<u>-</u>
1328	Gabion Wall (Ch 390-345 RHS) TG2	16 days	2011/11/9	2011/11/26		TP2		1	.'	. 1		_ '	·		' - '	- Ini-	HH.	-:	- j.	- 14 7	÷ -
1329	Excavation and Formation	6 days	2011/11/9	2011/11/1	1267		1	1	.'			_'	·		'.' .	- I (A) -	1401 -	-:	- 2	- [4] -	<u>-</u>
1330	Gabion Wall Construction (Ch 330-345 RHS)	8 days	2011/11/14	2011/11/2	1329FS-3 edays	-		!				-!	·			. 川珠:	ΕЩ.	-:	- 2 -	- 14 -	· -
1331	Backfilling	4 days	2011/11/23	2011/11/20			1	1						-,-			LIII.		- 20	- 14 -	· -
1332	Drainage & Poetpath (Ch. 330-340 RHS)	12 days	2011/11/28	2011/12/10			I	7					·	-,-		. 15.	네.	-,		- 14 -	· -
1333	Construction of drainage & footpain	12 days	2011/11/28	2011/12/50	1331		1:	7	-1	T						. [HF.]	Щ.	-,		- 44 .	T -
1334							Τ	7	-1							- [1]	Ш.		- ;- :	- 14 /	
1335	River Bed formation (Ch 330-350)	S days	2012/3/7	2012/3/15		TP2	T	7 -	- 4			- 1		-1-		. [1] .	M	-1		- [4]	
1336	Placing Grade 500 too Stone	8 days	2012/3/7	2012/3/1	1269	1	1					-		-1-		Ш,	Ш				American
	, and some for my source																				
			上類型任物 📴		Lesperse en			然任務	E2080900		接受群组	_		•							
Revised	Master Prog (Aug10-Apr1 任務 □□□□□□□ 監程隊 ◆								STATE OF THE PARTY	DESCRIPTION OF THE PERSON NAMED IN COLUMN 1				٠.							
日期: 201	11/7/26 進度 捕要	_	上面型里程碑 🔷		9:31		功	来接受	Quantity.		摘织	. 57									

经保证	任務名傳	1期 1	開始時間	完成時間	前置任務	資源名稱	1	2008年		2009年		20104		20119	F	201	.2年	and the second second	313年	
SALPINY	TX8-64R	1.540	HILD-TH4	Non-the	I I I I I I I I I I I I I I I I I I I	Acton	H2	Hi	H2	8)	H3	H1	112	Н	H	2	H1	H2	81	H2
1337							I		'	1	1	L	<u>-</u>	J				5	- -	4
1338	Step 4 (Ct. 350)	20 days	2012/3/21	2012/4/17	Annual Column Co			!	'	1	J	'	<u>.</u>	-1-	- '' -		₹-	5-	- -	÷
1339	River Bed formation (Ch340-350)	3 days	2012/3/21	2012/3/23	and the same of th	_	L	!	·	1		'	<u>-</u>	-'	- 12 -	1414 1	身 -:	:-	- 14 -	÷
1340	Construction of Step 3 (Assume Mass Concrete)	10 days	2012/3/24	2012/4/5	And the second s			!	'		.'	<u>'</u>	:	-'	- ':' -	1414 1	· 🖖	}-	- 14 -	÷
1341	Construction of Stilling Busin (Assume Procest Conc Blocks)	7 days	2012/4/10	2012/4/17	1340			!				<u>'</u>		-1	- 13 -	1414 4	. F(.	:-	- -	i
1342							I					<u>-</u>		٠,		Ш: Т			- 14	i
1343	Ch 45-100	480 days	2020/11/1	2012/5/23		TP1		!						~ · ·		44	33°		- -	1
1344	Additional Boulder Trap	180 days	2011/10/3	2012/5/14	1176		1						;		- 3 -	4###=#	-1-1	}-	- -	i
1345							I					·	<u>-</u>	<u> </u>		111:1			- 14	7
1346	Feothridge TB02 (Ch. 150)	490 days	2010/11/1	2012/5/23		TPla	Ι								- 13 -	11 - 1	₹.		- 1-	T - "
1347	Construction of Abstract A (LHS)	23 days	2010/11/1	2010/11/23			L							Z	- 19 -	1115	<u> </u>		- 14	
1355	Construction of docking	14 days	3012/3/14	2012/5/39										-1	- 14 -	III i I	Mr	1-	- 14	
1356	fire, to a collection of the deck	1000	2012/5/14	2012/2017				, d			-1	i		-1	- 14 -	111.1	基	1-	- 14	4
1357	XX.22.000	3 194	30(2/9/17)	2012/900	1359							1	1	-1	- 14 -	111 - 1	17/3	1-	- 14	4
1358	Lock Sessing	10 (48)	39935910	3013/3/38	13%							i	L	-1	- 14 -	111.	.¥	5	- 14	4
1359	Rolling resultation	7 (2052)	2512/9/19	2615/36%	1.5%						J	· 	L = =			<u> </u>	اسك		- 14	1
1360	Lighting at Footbridge TB02	51 days	2012/3/19	2012/5/23			1				500	·	L	-1		11 3	33.0		- 1-1	1
1361	Construction of Drawpits / Ductings	21 days	2012/3/19	2012/4/16	1356		1	,			7	i	1	.1.	- 9 -	ايالا	. III-		- 14	1
1362	Public lighting Installation (CE2308)	12 days	2012/4/17	2012/5/2	1361	1	† ·	,			,	1	1	.1 .	9.5	1 4	[B.	1		1
1363	Public lighting Installation (CE2309)	12 days	2012/5/3	2012/5/16	1362	1	1			L	3		100	31.		1 1	l lla	'.	- 1-	1
1364	Removal of existing lighting (VA2642-A1)	6 days	2012/5/17	2012/5/23	1363		†	;	,		,		1	3.0	13	HI I	H.	1	- 1.1	1
1365	Butters of County of Prince (17 Prince 17)						t ·					,	7	1	- 0.0	HIII I	E 2]]]	1
1366					ļ		† ·	,			,		7	1.	- 14	MIZ I	10.0			1
1367	River Bed formation (Ch 100-150)	30 days	2012/3/19	2012/4/26			† ·	,	,	7	7	,	7 - "	-,		1117 1		1111	13	Ţ
1368	Exemples	20 days	2012/3/19	2012/4/14		T	†	,		7	7		1	-,	- 0	III I				1
1369	Place Gobien mattrets	20 days	2012/3/30	2012/4/26	1368PS-10 days	5	† '	,	.,		7		7	-, -	- 14			1111	- []	τ
1370	1 100 Carrier (1882 000						†	,	-,	ī	7		7	-,		1117 [111	1
1371	Gabien Wall (Ch 150-178 LHS) TG3A	172 days	2011/4/4	2011/11/1	-	TP1	†	٠	.,	7	· · · · ·	1	7	7, 7		#11			13	·
1372	Escavation and formation	19 days	2011/44	2011/4/29			† :	1	.,	7		1		-, -	ייים	ا تالل			- 13	·
1373	Gabine Wall construction (Ch 150-178 LHS)	10 days	2011/10/15	2011/10/20	1376		† ·	1	.,	F	-,		,	-, -	17	NI T			13	
1374	Backfiling	5 days	2011/10/27	2011/31/3			†			T				-1 - 1	14 -	IFI T			- 13	
1375	Gabion Wall (Ca 178-230 LHS) TGSA/TG2	15 days	2011/10/3	2011/10/20		TPI	† ·	1						-1		#I! [
1376	Gabice Wall construction (Ch 178-230 LHS)	10 days	2011/10/3	2011/10/14	A		+ :		1			i		-1	- 14	四二.		6	- []	1
1377	Backfilling	5 days	2011/10/15	2011/10/20		-	† :							-:		m: r			- []	1
1378	Maintainence Staircase (Ch 178 LHS)	4 days	2011/20/27	2011/10/31			† ·						;			# 17.1			_ []	1
1379	Formwork and concerting	4 days	2011/10/27	2011/10/37	1373	-	† :						:							1
1380	Drainage & Footpath (Ch 150-Ca230 LHS)	21 days	2011/11/10	2011/12/3			+				7				14				- []	1
1381	Duisace & Footnath	21 days	2011/11/10	2011/12/3			† ·						;			117			- []	
1382	Gabing Wal (Ch 100-150 RHS) TG2	40 days	2011/11/21	2012/1/9		TPI	t '	·					:			-			- []	1
1383	Remove shotesto	5 days	2011/11/21	2011/11/25	des		+ :	:	-,-,-		·					IIL I			- []	7
1384	Exception and formation	21 days	2011/11/24		1383FS-2 edays		† :			100			;	,	- 11	TE.			- []	
1385	Gabine Wall construction (Ch 100-150 RHS)	24 days	2011/12/2		1384FS-16 eday		+ :			7	7		;	-,		1117			- []	-
1386	Backfilling	6 days	2012/1/3	2012/18			+		,	7.7.			7	-,		I II			- [7	7
1387	Maintainence Stairease (Ch 130 RHS)	4 days	2012/1/5	2012/1/9			t ·		,				,	7,	- 11				- [3	1
1388	Forework and concreting	4 days	2012/1/5		1386FF		+	;		7 7 7	7		(7		111741			- [7	7
		45 days	2012/1/10	2012/3/5			+			7	7	i	7	7	0 -	11100		(- [1	7
1389	Desinage & Footpath (Ch 0-150 RHS) Construction of desinage & footpath	45 days	2012/1/10	2012/3/5	d		t ·	,		7	·	,	,	7	-0.	11116	4111A		7 [7]	,
1391	Construction of destrate or involvers		2012.000	2012/01	2000		† ·	γ		7	-,	(-,	7 -	11 7	([]		- [1	,
	Chi., 10.0 CO. 160.178 Bries 20044	22 days	2011/10/31	2011/11/24		TPI	t ·	η -		r	η	ı	,	-i - ·	17 -	₩ * †			- [-	,
1392	Gabion Wall (Ch 150-178 RHS) TG4A	2 days	2011/10/31	2011/11/2		+	† ·	ı	1			ı		-;	- 14 -	10		;-	- [1	
1393	Remove Shotcede	2 days 3 days	2011/11/2	2011/11/10			+					ı		-1	14 -	IP :		0-	- [-]	
1394	Excavagion and formation	a days	2011/11/2	20121111	+273				.				-			المسالفان	444			
		•							CONTRACTOR IN	090/0000	no months of			_						
Davisor 1	Asster Prog (Aug10-Apr1 任格 [三三三三三] 星程碑	• .	上新型任務	-:-:-:	上期型進度		外 金	任務	BER SHEET		摘要群组	•		•						
日期: 201	/////////////////////////////////////	_	E編製車程牌 ◇		985		ша	計画要	Sharman	mans (E)	網駅	Ð								

10126	任務名輯	工期	開始時間	完成時間	前置任務	資源名稱	1	2008年		2009年		2010年		2011年			012年		2013	
4369	1025-4198	200	man-er q	3210-01-3		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	H2	HI	H2	Ы	H2	Hl	H2	H1	H	2	Hi	H2		11
95	Construction of Gabion Wall (Ch 160-178 RHS)	12 days	20(1/11/7	2011/11/19	1394FS-4 odays	-	-	1	,	i	1		·		. 12 -	M .:	.		- 1	14.4
96	Backfilling	4 days	2011/11/21	2011/11/24	1395			7		7	3000		I		.9.	11/2	11.	∤ <u>.</u>		44.4
997							1	7	,	7	7			300	10.0	H	LL	} l	- '	14 :
396	Footbridge TB03 (Ch 200)	116 days	2011/10/24	2012/3/13			1	7	-,		7			3	19.3	AL:	M_{-}		- 1 -	14.5
399	Construction of Abstracat B (RHS)	41 days	2011/10/24	2011/12/9			†	7	-,		7	-,	7	7	30.0	27		1		1 !
	Excavation and Blinding, temp work	21 days	2011/10/24	2011/11/16	1208	-	h	7			7		7 - 7	7	- 0	134.7	LEI.	}		1
400	Formwork and report fixing of base slab	7 days	2011/11/17	2011/11/24		·	t	7	-,		7		7	-,	70.7	T.	L LI	1	30.7	17 7
1401			2011/11/25	2011/11/25		-		j			-, ·		7	-,	- 0 -	1	111	1	- 6 -	7
1402	Concreting of base slab	1 day	The same of the same of the	2011/11/28			 	j		7	$\gamma = -1$		7	-,	70.7	1-6	11:1-)		11 7
1403	Suspense off formwork	2 days	2011/11/26				+	j			$\gamma = -1$		r	-,	713.5	1-10	11-1-	ş		11 7
404	Rebar fixing and shuttering formwork for column	7 days	2011/11/20	2011/12/6							7	1	y	-ı	- 13 -	- 57	h [-] -	1	- 1	11.7
405	Concreting	l day	2011/12/7	2011/12/7								- 1		-i	176	- 15	⊦ 1-1-	-	- 1	11 1
406	Stripping off fornework	2 days	2011/12/8	2011/12/9	1405		1				-1			-1	- 14 -	4	1-11-1	n)	- (H 4
407	Construction of Decking (TB03)	34 days	2011/11/17	2011/12/28	L	İ	L	4			et e	- 1	A	-1	- 14 -	100	+ - -	-	- :	H -
408	Medification of LUS with top	Sant	2015/33/47	50,1715/15	1676	1	L				-1	- t	h	-r	- 14 -	1.4	- - -	-	$= -i \varphi - \pi$	1-1-1
409	figures of stori determine they divit	4 6.08	2011/13/10	263/13/14	1435		L	ā ·	-1		2	- 1	1	-1	- 14 -	- %	1-11-1-	d		14.4
410	Dorf finickley,	19 day.	3011/22/15	30.1/1125	1429						J		1	-!	- 13 -	1-19-	11.	.)		. [] 4 3
411	kriting is solleries	1400	2015(1)/15	28.1719/19	1409		T	,			3	1	L	-1	- 14 -	1-16	J. [.] .	.)	د با پ	. [4] 7
412	Lighting at Footheidge TB03	27 days	2011/12/17	2012/1/20			7	1		1	J		1		- 12 -	-12	414	.)	2.5	JU 2
413	Construction of Drawpits / Ductings	12 days	2011/12/17	2012/1/3	1411		i	,							113 -	_ B		.)	2 10 0	. [.] 2
414	Public lighting Installation (CE2321)	6 days	2012/1/4	2012/1/10	1413		t					1		1	13.	- 6	J.H.H.			. [] 3
	Public lighting Installation (CE2322)	6 days	2012/1/11	2012/1/17			t	1			7 7 7 7			7			T [1]) = [1	
415		1 day	2012/1/18	2012/1/18	A CONTRACTOR OF THE PARTY OF TH		†		- , :		7		7	7	- 11		ŢΓ.	1	1	
416	TAC	2 days	2012/1/19	2012/1/20		+	+	4	- ; :		-,		7	7	10.	17117		1		17.7
417	Removal of existing lighting (VA1309-Z1)		2012/2/2	2012/3/1			+				-,		7	-,	7.0	- bi	<u>ا الخ</u>	1		11.7
418	Step 1 (Ch 178)	25 days		2012/3/1			+		- ; :		-,		7	-,	- 6	1-11-7	ii lii	4		11.7
419	River Bed ferrontion (Ch178-205)	5 days	2012/2/2			·	+	4	-		5 :	- ;	T	-,	7.0	1-11:		-,	7.0	11.7
420	Construction of Step 1 (Assurae Mass Concrete)	10 days	2012/2/8	2012/2/18				÷ :	- ;		-,	- ;	7	-,	10.5	1-11:	111	t		11/17
421	Construction of Stilling Basin (Assume Precise Conc Blocks)	10 days	2012/2/20	2012/3/1	The second second second		ļ	A			·		r	-1	- 00 -	- ·	ш- -	- ,	3,613	· H •
422	River Bed formation (Ch 150-178)	10 days	2012/3/2	2012/3/13	Annual residence in the second		1				·		r	-,	- 13 -	- F	M	-		- 14 -
1423	Place Orbion protossa	10 days	2012/3/2	2012/3/13	1421		1			- '		- ;	r	-,	- 176 "	- 	μη	-J	- 1	· [4] -
1424												- :		-,	- 13 -	1-11	나니	4	- 10 -	- 14 -
1425	Gabice Wall (Ch 178-222 RHS) TG1/TG1A	40 days	2011/12/10	2012/2/1	1		1	7						-1	- 14 -	1-1-2	4 LL	4	- 1	. H .
426	Excavation and fernation	25 days	2011/12/10	2012/1/11	1406	1	1	4		7				-!	- 14 -	묘	4 1. [.] .	4	- 4	. 14 .
427	Construction of Gabion Wall (Ch 178-210 RHS)	25 days	2011/12/23	2012/1/27	1426PS-20 cdays	5	†					- (-,	- 14 -		d LI		- 1	. [.] .
1428	Backfiling	4 days	2012/1/28	2012/2/1			†					- ,		-:			A D	1	_ i	Ш.
	Dakaming	100/5			+		†		- '			-!		-:		1-1-	TIL	7	- 1	
429	A STATE OF THE PARTY OF THE PAR		2012/2/3	2012/2/27			+	J	- '			- !		-!		1113	ا ان	1		11 7
430	Lighting CH 175-250	21 days	2012/2/3	2012/2/16			+	J	- '			- '		-!	- '9 -	1-1:	配口.	-[11.7
431	Construction of Drawpits / Dustings	12 days		2012/2/23		+	+	٠ - د	-'			- '		-:	- 9 -	1111	711	-[11.1
432	Public lighting Installation (CE2319)	6 days	2012/2/17				+	1	-'	- 5	-'	- '		-!	- 13 -	1-1-	711	-[- :	1111
433	Public lighting Installation (CE2320)	6 days	2012/2/17	2012/2/23			+	1	-'	- h	-1	- '		-!	- 17 -	1-15	∦rl-l•	-[- :	· H f
434	Public lighting Installation (CE2323)	6 days	2012/2/17	2012/2/23			ļ	1	-'		-1	- '		-1	- 33 -	- ÷		-[- 3	· H :
435	Public lighting Installation (CE2324)	6 days	2012/2/17	2012/2/23			1	1	-'		_'			-'	- 17 -	1-1-	₩-1-	-[- 3	٠н٠
436	T&C	1 day	2012/2/24	2012/2/24	1435		l	1	-'			_'	:	-'	- 12 -	1-14	₩-	-[- 2	· H -
437	Removal of enitting lighting (VE2641-A1)	2 days	2012/2/25	2012/2/27	1436		I	1	'	. !	_'	_ 1	:	-'	- '.' -	1-1-	₩.	-[- 14 -
1438	Removal of existing lighting (VA1310-A1)	2 days	2012/2/25	2012/2/27	1436		1	1				_'	<u>.</u>	_'	- ''	1-1-	1 [.]	-1	- 2 -	. [4] .
439							1	,		- [- ·	7 -			1		1.1		1		. [4] .
440	Ch -2345	613 days	2010/8/30	2012/8/15			1	3	-,	- 7	7					1.1	- 1-1	T.		
	Retaining Wall at Access D (Boulder Trap)	41 days	2010/9/1	2010/10/11			t	7	-,	- 7	-,	- 1	7 (1)	-,	.0.	1717	Ţ [1]	1.	- 10	Π
441			2010/8/30	2010/9/4			†	7	-,		- · ·		r 🍎 🕆	-,	- 17 -	17	- [1]	7	- /	11.
461	Filing Work at Boulder Trap (RHS of downstream)	6 days		2011/10/29			·	7		- r	-1 - "	- 1	, y .	-1	- '7	T	- - -	7		11 1
1463	Dwarf Wall (Ch 60-75) RHS	23 days	2011/10/3	2011/10/29			+	7			~	- 1	+	-,	- 14 -	ĬÎ [™]	- [-]	1	- I	111
1464	Excavation and Blinding	4 days	2011/10/3				·		- <u>i</u>	- +		- 1	+	-1	- 1-3 -	71	- [-]		- 1	11
1465	Fornwork and other fixing of base slab	5 days	2011/10/8	2011/10/13	1404									~~		جلته	طلب	-		حلك
					. according			on or or	RECEIVED	edimento da	物學群组	_		,						
ulsad	Master Prog (Aug10-Apr1 任務 里程碑		上類型任務 		上類型速度		9)	衛任務	STREET, STREET,	granger reside		n	•							
THEORY	Masser Prog (Aug 15-Apri) 11/7/26 建皮 指要		E劉型里提牌 🔷		2 81		-	來均要	Steen House	MINISTER, SP.	MASS	-TJ-								

3907/955	任務名稱	工網	開始時間	完成時間	前置任務	資道名標		2008年		200944		2010年	T	2011年		2012			34:	H2
					ļ.,,,,	1	H2	H)	H2	Ht	H2	El	H2	H1	- H2			H2	RI	H2
1466	Concesting of base slub .	1 day	20)1//0/14	2011/10/14			1	2	. '	1 _ 1	4	1		dje en	- 12 - 1	<u> </u>	-]-[-		· H ·	÷
1467	Stripping off formwork	1 day	2011/10/15	2011/10/15	4		ļ	J		·				-1	- 22 -	<u>* -</u>		:-	- H :	i
1468	Rebar fixing and shuttering formwork for column	5 days	2013/30/17	2011/10/21		J	ļ	<u> </u>	-'	<u> </u>				-(- :: -) [- -[-		· H ·	i
1469	Concreting	1 day	2011/10/22	2011/10/22			1	J	-'				<u>-</u>	-)	- 31 - 1	¥I÷ -	-1-[-		- H -	÷ - 1
1470	Stripping off ferrawork	1 day	2011/10/24	2011/10/24		1	l				-,	<u>-</u>		-:	- 🖫 - 🛭	PI	- -[-		- H -	i
1471	Backfill	5 days	2011/10/25	2011/10/29		.1	1		-:	<u>.</u>	-,		·	-:	- 33 -	<u>ы</u> : -	⊦I- (-		- H -	÷ - ·
1472	Box Culvert 03 (Ch 45)	31 days	2011/10/31	2011/12/5					-:	·		·	·	-;	- 33 -3	44 -	- -[-		- 1-1 -	7
1473	Construction of Base Slab	21 days	2011/10/31	2011/11/23			ļ				-,		·	-,	- 6 - 1	Мт -	- - -		- 1-1 -	T
1474	Remove boulder and wist feace	5 days	2011/10/31	2011/11/4			I		-:				·	-:	- 15 -	掛	- - -	1	- 14 -	T - 1
1475	Excevation and Blinding	7 days	2011/11/5	2011/11/12			L		- :					-,	- 12 -	界	- - - -		- 1-1 -	T
[476	Formwerk and privar fixing	5 days	2011/11/14	2011/11/18			I							4,	- 19 -	.H., .	1-1-1-	1	- 14 -	
1477	Concerting	1 day	2011/11/19	2011/11/19	1476		I : :								- 14 -	-9-, -	- - -	1	- 14 -	
1478	Suigping off formwork	3 days	2011/11/21	20(1/)1/23	1477		1		-1					-1	- 14 -	- L	- - -	1	- 14 -	
1479	Construction of Wall Stem and Top Slab	10 days	2011/11/24	2011/12/5	-		1							-1 - 4	- 14 -	-y	- - - -	1	- [-] -	A
1480	Formwork and rebut fixing	4 days	2011/11/24	2011/11/28	1478	1	1	1 -	-1		3			-1	- 14 -	- Jan -	니사		- - -	1
1481	Concreting	1 day	2011/11/29	2011/11/29	1480	1	1					1	L	-1		- 40 -	LLJ.	1	- .	J =
1482	Stripping off (ontrwork	5 days	2011/11/30	2011/12/5	1481	-	1					1		-1		-E	113.	1-	- .	1 .
1483	Retrining Wall at Access D (Boulder Trag)	322 days	2011/7/18	2012/8/15	Ti	-	T					1		1 .					. IJ .	1
1484	Retaining Wall (LHS)	49 days	2012/4/27	2012/6/26		-	†			:				1	9.0	1 7 7	2.4			1.
1435	Excavation and blinding	14 days	2012/4/27	2012/5/15	<u> </u>		t				7				18	117	(h) :		: [] :	1
		8 days	2012/5/16	2012/5/24		+	†							7		7 7 7			· 11	
1486	Construction of Base Slab, Bay 2		2012/5/16	2012/5/19	A STATE OF THE PARTY OF THE PAR		+		-;			. ;		-,	- 6	-1: -	6		· 1 ·	7
1487	Fourtwork and rebot foung	4 days	2012/5/21	2012/5/21			+		-:	÷				-1	- 6 -	-11 "	[[]		- 1 :	7 - '
1488 -	Concreting	1 day		2012/5/24	4		+	-,	-:			-		-;	- 6 -	-17 *	- 11 -		- 11 :	7 - 1
1489	Stripping off formwork	3 days	2012/5/22	2012/5/2			 							-;	- 6 -	17 -	- W	2.00	- H :	7 - '
1490	Construction of Base Slab, Bay 1	8 days	2012/5/25	2000000			ļ	4	-;	÷	5	· ;	T	-,	- 6 -		<u> 1점</u> -		- H :	7 - 1
1491	Formwork and rebar fixing	4 days	2012/5/25	2012/5/25	1			÷	-;		-,	·	T	-,	100	- 7 -	上贯-	2.00	- - -	7 - 7
1492	Concreting	1 day	2012/5/30	2012/5/50	A STATE OF THE PARTY NAMED IN COLUMN			÷	-,	·	n		T	-1	- 0 -	- 7 -	l-8-		- H :	T " '
1493	Shipping off formwork	3 days	2012/5/31	2012/6/3			+		-,	r	·	i	r	-,	- 0 -	-17 -	- 4 -	1-	- H :	т - 1
1494	Construction of Wall Stem, Bay 2	8 days	2012/6/4	2012/6/12		4		·	-,	r	.,	i	т	-,	- 47 -	- Y -	F₹-		- - -	т -
1495	Formwork and other fitting	4 days	2012/5/4	2012/6/		<u> </u>	1					· j		-,	- 17 -		- Pr-	p-	- H -	+ -
1496	Concreting	1 day	2012/6/8	2012/5/			1	<u>.</u>	-1	·				-i	- 1-6 -		- ∰-	1-	- H -	+ -
1497	Strigging off Somwork	3 days	2012/6/9	2012/6/12	2 1496		1					i		-1	- 14 -	- + -	<u> - 44</u> -		- 1-1	
1498	Construction of Wall Stem, Bay 1	11 days	2012/6/13	2012/6/26	5		1	á	-1		4	t	4	-1	- 14 -	- +	- T -	1-	- H -	4 -
1499	Formwork and rebar fixing	4 days	2012/6/13	2012/6/16	6 1497				-1		d	- t		-1	- 14 -		- B-	1-	- 14 -	4 -
1500	Concreting	1 day	2012/5/18	2012/6/19	8 1499		T	3	-1				4	-i	- 44 -	- 1 -	J 🦫	1	- 14 -	4 .
1501	Statement off Forstwork	3 days	2012/6/19	2012/6/2	1 1500		T	1			J		L	-ī	- 12 -	- L	J Ja.,		- 14	4 -
1502	Bookfull the Retaining Wall	3 days	2012/6/22	2012/6/9	6 1501	1	T	1			0.00	t	1		- 12	حفاة	-8-		- -	4 -
1503	Vehicular Access D	322 days	2011/7/18	2012/8/15	5	1	1	1	-,		0000		ī	1		_ l	11-		- -	1
L504	Read Kerb and formation	64 days	2011/7/18	2011/9/3	0		1		-,		1	1		0.00	1-123		<u>. 44.</u>		- 11	1 .
1505	Pavement	30 days	2012/6/27	2012/8/	1368,1502	-	1	1	-,	,	7	1		.1	.9.5	_ 1	L	k !.	_ .]	4 .
1506	Railing and street furniture	12 days	2012/8/2	2012/8/1	5 1505	1	†	1	-,		7 - " '		;	7	9.0		. 5			: .
1507	Lighting at Access D	124 days	2011/10/24	2012/3/22		- 	1	i	-,	1	7			,	30.3	7,000	£ 5.			3.0
1508	Constaurion of Deweits / Duttings	21 days	2011/10/24	2001/11/16			†	3	-,		-,			-,	19	a*; "	[-, :			3.7
	Public lighting Installation (CE2300)	3 days	2012/3/14	2012/3/10			†	1	-,	7	-7		7	-,	10	- F	, -			3
i.509		3 days	2012/5/14	2012/3/10			†		-,	7				-,	10.1	- 1	F -, -		- [1	7.
1510	Public lighting Installation (CE2301)	3 days	2012/3/14	2012/3/10		+	+	5	-,	7	-,		7	-,	- 0 -	7 7	1 -, -		- [1	3 "
1511	Public lighting Installation (CE2302)	3 days	2012/3/14	2012/3/1			+	ŋ	-,		-,	·	r	-,	" () "	- 7 -	T		- [-]	9 " "
1512			2012/3/17	2012/3/2		4	+	η		7	n	i	r	-,	- n -	- 4 -	Ť -, -		- [1	7 -
1513		2 days					+	7		r	-1	4	r	-,	- 171 "	- + -	F -, -	!-	- H	7 -
1514	Renowal of existing lighting (VA1279-A1)	2 days	2012/3/21	2012/3/2	2:1313		+	r	-,	T	-,			-1	- 19 "	- 7 -	`F -' -	-	- [1	7 -
1515							+	r	- 1	T		- i		-	- 10		- 10	1-	- -	
1516	Ch 350-450	436 days?	2011/1/3	2012/6/1	3 }					·			-				-			
									-	number of				_						
	d Mineter Pres (Aug 10 Aug 1	•	上數學任務 [2]		上類型物度	_	40	部任務	BOLLAR		扬要群组	-		•						
Revised 日類: 201	d Master Prog (Augro-April		上面型果板等 ◇		分割			素接受		annual p	2000	-Tr								
	011/7/26 強度 振度 探要																			

建行原	任務名儀	工期	開始時間	完成時間	前置任務	資源名牌	1	2008年		2009年		2010年		2011		ausanne b er	012年		ALCOHOL: NAME OF PERSONS)13年	·
MANUFA P	Troopin	2.40	District.	A			H2	H1	H2.	HI	H2	H1	H2	1	0 .	H2	Ю	F	12	н	Ж
1517	Gabion Wall (Cn 350-400 LHS) TR1 (AD)	42 days	2011/10/27	2011/12/14				1	1	1	J		1	3.0	9 .			-1 - 1		- 14	<u>-</u>
1518	Remove Concrete block and shotcrete	7 days	2011/10/27	2011/11/2	1917	6.2				1	3333	1	1	4	17 .	55.2		-'	'-	- 14	<u>-</u>
1519	Engagestion and Fourntien	30 days	2011/11/1	2011/12/5	1518FS-3 cdays			,		1	1	1	·	1.	'! .	. II	- -	-' -	'-	- 14	÷ - :
1520	Laying concrete blocks and gabion blocks	23 days	2011/11/12	2011/12/8	1519PS-20 days	1	†	,	,		7.	1 .	1	0.0	' !	. [34	_ L	_' _	'_	- 14	<u> </u>
1521	Backfiling	5 days	2011/12/9	2011/12/14	1520	1	† :		,	7	,		7	7	- 0	1111		_'	'-	- 14	<u> </u>
1522	Gabion Wall (Ch 400-450 LHS) TR1 (AD)	46 days	2011/12/9	2012/2/7		-	t	,		7	7		7	-, -	- 0	11		-		_ []	
1523	Remove Concrete block and shetcrete	7 days	2017/12/9	2011/12/16		+	+	,	,	7	n		7	٦, -		11重	T-	-,		-17	7.7
		30 days	2011/12/14		1523FS-3 edays	i	† :	1	,	7	7		7	-, -		11 6	- 1			- 17	7 -
1524	Excavation and Ferention		2012/1/3		1524FS-20 eday		 :	7	,	7	γ		r " ~	-, -	0 .	11 17		-, -		- 17	7 -
1525	Laying concrete blocks and gabion blocks	23 days		2012/2/7			+	,		·	7 " " "		r	-1 -		- I† †'	化上	-,		- 17	, -
1526	Backfiling	5 days	2012/2/2				 	y			4	,	r		وانتسا	44	THE.	- T	1-	- [-]	7 -
1527	River Bed formation (Ch 350-400)	436 days?	2011/1/3	2012/6/13			l ·				-1 3		+'	-Y-	14	- I i I I I	憷	Ψ,	:-	- -	
1528	Placing Grade 500 ton Stone	14 days	2012/3/21	2012/4/10	1525,1304		ļ ·				-1	- 1	+	-1		- - -	HМ	-1 -	1-	- It	+ -
1529							l :	4			-1 4		4 4	-1 -	14 -	- -	H.A	- 1	!-	- 14	* -
1530	Footbridge 7806 (Ch 400)	149 days?	2011/12/9	2012/6/13			L				-1	- 1	4 4 -	-1 -	14	- M	#1 d	Yi .	1-	- 14	4 -
1531	Construction of Abutment A (LHS)	30 days	2011/12/9	2012/1/16			[t		-1 -	14 -	- 14-5	414	-1 -	- 1-	- 14	4 -
1532	Remove Concrete block and shotcrete	3 days	2011/12/9	2011/12/12	1520		Ι	4					L	41.4	18	. . ∳≽	H 4	-1 -		- 14	1 -
1533	Escavation and Blinding	10 days	2011/12/13	2011/12/23	1532		T				5	. 1	1 4 -	.1.		_] lig.	-11.4	-1 -		- 14	1 -
1534	Formwork and rebot fixing of base slab	5 days	2011/12/24	2011/12/31	1533		1				1	1		-1 -		. I.J. ‰	ьШЫ	2.0		- 1-	1 -
1535	Concreting of base slab	1 day	2012/1/3	2012/1/3	1534		1			1				, -		11 6	LII J	-1-	1-	- 1.	1 -
1536	Stripping off formwork	2 days	2012/14	2012/1/5				3					7	1		11 E	JII 3	0.0			1 .
	A SALE MANAGEMENT OF THE SALE	5 days	2012/1/6	2012/1/11			+	4	· ·				7		- 10	° 1 T	111	-,-		- 17	7
1537	Rober fixing and shattering Somtwork for column		2012/1/12	2012/1/12		+	f :		·:	· ÷		- ;		47			111	-, -		- 17	7.
1536	Concreting	1 day	and the same of th	2012/1/16			} :		·:	· ÷	-;	- ;		-; -	6	-11 1	*11 1	7		- 11	7 -
1539	Suipping off formwork	3 days	2012/1/13				ļ :	(.j.,		4		÷	-; -	5	-11 7		J - (" '		- 1	7 -
1540	Construction of decking	14 days	2012/4/11	2012/4/26			·	(2	:		·	- ;	÷	-: -	5	- + ÷	117	, -		- -	7 -
1541	Erection - 6 thoughts come deak	4 ರಕ್ಷಣ	2012/6/12	2012904			1 1				4	- (÷	-: -	3	- 14 ÷	H 8	7-,-		- -	7 -
1542	Dect). For pickings	10 Jans	30127416	2012/405			1 1	<u>'</u>						-; -	6	- 14 ÷	1 4	t zaz		- -	5 -
1543	NA NA	9 d до	31/13/01/4	2012476			L							-: -	::	- 14 ÷	113	114/4		- -	9 "
1544	Bules and Man	2300	2012/40 6	2012/47)	3541		-	7	'		·	.'	2 - 1		:	- 14 4	Ш	L-, -	:-	- -	π -
1545	Lighting at Pootbeidge TB06	14 days	2012/4/16	2012/5/3		-	7	7	- 1		7				: -	- 11 .	U.	7-:	:-	- -	
1546	Construction of Drawpits / Ductings	6 days	2012/4/16	2012/4/2	1541	1	1	7	-1		7	-	, -	- 1	- ''	- 11 '	U H	Į.,		- 14	
1547	Public lighting Installation (CE2311)	3 days	2012/4/23	2012/4/25	1546	1	†					- 1		-1 -	14	TII !	11.3	4		- 11	
1548	Public lighting Installation (CE2310)	3 days	2012/4/26	2012/4/30		+	+	ı	- 1		4	-	+	-, -	17	- II '	11 1	1		- 13	
	TAC	2 days	2012/5/2	2012/5/			+		- 1					-1 -	14	- 11 1	11 1	[]	,-	- 13	
1549	S	4 days?	2012/4/27	2012/5/3			† ·		- 1			- !	h	-1 -	'4	-11 *	TI C	500	:-	- 11	
1550	Demolition of Bridge T3-C	1 day?	2012/4/27	2012/4/20			+	4				- 1		-1 -	'4	- 1 †	11 1	2	:-	- 11	
1551	Water Pipe Diversion			2012/5/		+	+ :	J	.'				L	-1 -	'4	- I1 ÷	H 1	(· ·	:-	- 11	
1552	Pedestrian Diversision/Demolition works	3 days	2012/4/30				ļ i	J	.'		4	- t		-1 -	9	- [] ^	H	ilai -	5	- 11	
1553	Construction of Cabion Wall at TB-C	35 days	2012/5/4	2012/5/13			ļ i	J	.'	. 1	-1		4	-1 -	,	- H ^	Н 3	₩		- H	+ -
1554	Excavation and Formation	3 days	2012/5/4	2012/5/			1 1	J		. L	2			-1 -	7	- - l i	H-4	(tr.)	'-	- H	
1555	Galsion Wall Construction (TBC LHS)	2 days	2012/5/8	2012/5/5			1	1	.'	. <u>.</u>	200	- '		-1 -	9	- 14 -	H - 1	图 -	'-	- H	÷ -
1556	Backfilling	30 days	2012/5/10	2012/W1	1555		1 1	1	.'	1	2 - 2 -			-1 -	''	- -	Н-1	-1' -	5	- 14	÷ -
1557							1	1	.'				1		'!	- 4 5	14 -		'-	- 14	
1558	Gabion Wall (Ch 400-450 RHS) TR1 (replaced by AD1)	30 days	2011/1/3	2011/2/1				1	' ·	1		. '	·	≖	'7	- 14 -	ᅰᇻ		'-	- 1-	
1562	Gabios Wall (Ch 400-450 LHS) TR1 (replaced by AD1)	0 days	2012/2/7	2012/2/7	1	dul 1531	1	,		1	2			.1		-14-3	회갱	Ł.'		- -	
1567	Maintainsuce Staircase (Ch 420 LHS)	77 days	2012/2/3	2012/5/5)		1	,		1	7		7	3.5	- 13	- 11 2	M	7. ·		- -	
1568	Formwork and concreting	4 days	2012/2/3	2012/2/	1526FF		1	7		7	7	-,	7	7.	- 11	- [] -	1	1.		- []	٠.
1569	TATIONAL AN OWNERS						†	ŋ ·			2		7 - 7	1		- 1		100			1
1570	Star 5 (72 410)	19 days	2012/4/16	2012/5/5	ri	TP3	+	7	-,		7	- ,	r	-, -	0	- 11 3	T	J., .		- [1	1 -
	Step 5 (Ca 410)	2 days	2012/4/16	2012/4/11			+	η - · ·		T	~ · ·	- 1	r	-1 -	0	7 11 7	1 6	Ĺ-,-	1-	- -	7 "
1571	River Bed Formation (Ch400-410)		2012/4/16	2012/4/3			+	n		·	-,	- 1	+	-1 -	3	- † r	1 1	6		- -	7 -
1572	Construction of Step 5 (Assume Mass Concrete)	10 days					+ :	, ·			-,	- 1		-1 -	17	- 7	11	Ē-, -	(-	+ -	1 -
1573	Construction of Stilling Busis (Assume Precust Cone Blocks)	7 days	2012/5/2	2012/5/	1772		h	·	10.00		-1	- 1	+	-1 -	1-4	- 7	11	4-1-	In	- -	٠.
1574		1					ــــــــــــــــــــــــــــــــــــــ														-
														_		_					_
	Master Dans (Augs10 Augs) 任務 [IIIIIIIII] 田根珠 ◆		上聯盟任務		上階型連座 ■		95	5任88		2000	換架群組			,					-		
	Master Prog (Aug10-Apr1						-		CHRISTIAN	manus (1)	39/57	-Ú-									
RE- 301	1/7/25 進度 接受	_	上聯世里在碑 🔷		分割		493	N均 变	4	-	MERC	4									

MACCOUNTY.	红務名條	工期	開始時間	完成時間	前置任務	資源名稱	L	2008年		2009年		2010年	·	2011年	-	2012年	general and the second	344	В
					L		H2	H)	H2	H)	H2	HL	B2	H1	H2	H1	H2	HL 1	
1575	River Bed formation (Ch 410-450)	10 days	2012/5/10	2012/5/21		TP3		J _ i .	A	1	1	1 =	·	!	2	1 7-		- 14 -	-
1576	Placing Grade 500 toe Stone	10 days	2012/5/10	2012/5/2	1573		L	1		1	1	L	1	1	무니	1		- 14 ÷	-
1577	and the second section of the second section of the second section of the second section secti					2		1	1	1		12.2	·	٠	9 - 1	2		- 14 -	-
1578	Box Culvert TB01 (Ch 450)	40 days	2011/3/10	2011/4/29		1	r	7	,	1	,	1		1	 1. 	111.	'-	- 14 -	-
1579	Construction of Base Slab	21 days	2011/3/10	2011/4/2	1560	1	1	3		7	-,		1		10	111	'-	- 11 :	
1584	Construction of Wall Stem and Top Slab	19 days	2011/4/4	2011/4/29	1		†	7		7		ı	7		0.0			- 14 4	
1566	The second of th				 		t	7		7	7	ı	7	1	9.71	1 7 7 7	1000	10.3	-
1589	Drainage & Pootpath (Ch350-450) LHS & RHS	45 days	2012/2/2	2012/3/24	d		f	7		1 - 1	7	1	F	1	0.1	. T.	1	11 7	-
1390	Drainage & Footpath (Ch.350-450) LHS & RHS	45 days	2012/2/2	2012/3/2			t	7 :	10.00	1	-,	1	7 7 " "	,	$\partial_{z} = z $	1 7 6 6 7		۰ ۱٦ ۳	, -
	Linutage & Poolpan (Lincol+July L215 & Kins	45 64/3	201222	201232	1000		 	7		7	n		r	,	· 3 -	1 7 - -		- [7] "	
1591		20.4	2010000	2012/4/25	,		}	m	-,	r	-,	i	v	y	13 -	' ' 🖜 -	1	- 1 7	, -
1592	Lighting at CH 350-380	23 days	2012/3/26	2012/4/1			+	9		7	-,	15	*	,	14 - 1	7 - 76 -	1-	- 11 -	
1593	Construction of Drawpits / Ductings	14 days	2012/3/26				ļ		-1		-1 :	(+	1	148 1	+ - 'E'-	1-	- - -	
1594	Public lighting Installation (CE2312)	7 days	2012/4/16	2012/4/2			ļ				-1	t		1	H4	+ - 17-	1-	- 14 4	
1595	T&C	2 days	2012/4/24	2012/4/2	1594		ļ	4	. 1 - 1 - 1	+		t	h =	4	14 -	4 - 5 -		- - -	٠ -
1596							l	J	-1		J	1		f	لنتث		<u>L</u> a a a ba	- - -	1 -
597	Ch 450-525	380 days	2011/3/16	2012/6/21			1	4			2	S	4	i a va a	13 2		(- - 4	4 -
593	Retaining Wall (ch 450-500) TR2 (RHS)	50 days	2011/10/3	2011/11/30)	TP4	L	٠ ـ ـ ـ ـ	1	h = -	J	l			o 🛬	·	4	- 14 4	A -
1599	Remove Concrete block and shotorete	7 drys	2011/10/3	2011/10/1	1176			1	i	1	1	L	1		ひ間.	4	الحاجات وأحا	- 14 4	4 -
1600	Excavation and Formation	35 days	2011/10/8	2011/11/1	1599SS+4 days		1	1		1 .	1.1	I	L		つ器	1	1 - 1 -	- 14 4	<u>.</u> -
601	Base Slab Construction Bay 1+2 (RHS)	10 days	2011/10/18	2011/10/28	3		1	7		1	3	1		1	9 N	11		- 14 4	<u>.</u> .
1602	Formwork and rebar fixing	8 days	2011/10/18	2011/10/2	1600SS+10 edu	97	7	i			7				1	1 1	1	- [4] 4	<u>.</u> .
1603	Concerting	1 day	2011/10/27	2011/10/2		-	t	1	- ,						0.31	L 1	10000	I I J 4	1 1
1504	Suppring off formwork	l day	2011/10/28	2011/10/2	1603		†		-,	1	-,	,	7	,	o 18	F i		3 [] 3	
605	Wall Stem Construction Bay 1+2 (RHS)	13 days	2011/10/29	2011/11/12	Annual Control of the Control		†	4	-,		7		7	,	0.19	21	1	- [] 7	
		6 days	2011/10/29	2011/01/			1				7	7	7 =	,	o 16	T	1	- [] :	: -
1606	Represent and retur fixing	1 day	2011/11/5	2011/11/			+	4		7	7		7	,	0.11	Ī		- 1 =	: -
1607	Coexisting			2011/11/			+	9	-,		-,		7	3000	o 11	T :	10000	- 1 1	1 "
1608	Stripping off formwork	2 days	2011/11/7	2011/11/1	A		+	5	-;	7	4	i	7 7 7 7	,	0.11	1 *	1	- - -	1 "
1609	Backfill	4 days	20(1/11/9				+	9		r	~	17	r + - ·	,	0.14	28/10		- - 7	т -
1610	Base Slab Construction Bay 2 (RHS) del	0 days	2011/10/28	2011/10/20				-i		÷	4	i	T		(n - 1)	28/10		- - -	т -
1614	Wall Stem Construction Buy 2 (RHS) del	0 days	2011/10/28	2011/10/24	1		+				-,	i	+	ı	13 47	7 20110		- - -	-
619	Base Slab Construction Bay 3 (RHS)	10 days	2011/10/39	2011/11/	Accesses		L					1			· 41	F		- 14 +	+ -
1620	Formwork and other lixing	8 days	2011/10/29	2011/11/			1	4			4		+		14 41	} +	:-	- 14 4	
1621	Concessing	1 day	2011/11/8	2011/11/	8 1620		L				et	i		1	14 H	₩	.} i-	- - 4	4 -
1622	Suipping off formwork	1 day	2011/11/9	2011/11/	1621									4	·4 41	<u>h</u>		-11 4	4 -
1623	Wall Stem Construction Bay 3 (RHS)	13 days	2011/11/10	2011/11/2	1	1	T	7				l	4		الدد		.l	- 14 4	1 -
624	Formwork and subsir fixing	6 days	2011/11/10	2011/11/1	6 1622	-	†				7.7.7	i		1	· 11			- 14 4	1 -
1625	Concreting	1 day	2011/11/17	2011/11/0	7 1624		†					1		,	5 H	L		- 14 4	1 -
1625	Stripping off formwork	2 days	2011/11/18	2011/11/1	1625		T					1			6 H	L.		- 14 4	1 -
1627	Backfill	4 days	2011/11/21	2011/11/2		- †	t		- ' -				7		-5.11	77	1		t .
1628	Base Slab Construction Bay 4 (Incl. Step 6)(RES)	10 days	2011/10/20	2011/10/3		+	t	÷ ·				·	7		ń N	j ,	1	111.3	
629	Formwork and other fixing	8 days	2011/10/20		8 1602SS+2 days		 	-; :	-:			· [7	· · · ·	5 U	1.7	1	- 17 7	7
		1 day	2011/10/29	2011/10/2			+	4		÷		· · · ·		(. 1	7	1	- 17 7	7
1630	Concering			2011/00/3		-+			-:	÷		(j		· · · ·	5.1	ř:	1	- 11 7	7 7
631	Stripping off formwork	1 day	2011/10/31				-					·}		(6.7	.	1	-11 7	7
632	Wall Stem Construction Bay 4 (RHS)	13 days	2011/11/1	2011/11/1:	Acres & Consultation of the Consultation of th		ļ	·	-:		-j	· ; ·	7	(5.1		4	-14 7	7 '
1633	Formwork and sebar fixing	6 days	2011/11/1	2011/11/	-A		ļ	·			5			(6 H	P		-14 :	7
634	Concerting	1 day	2011/11/8	2011/11/		<u> </u>	1	· ·	-:		3				o - l	₽ ·	4	- 14 7	1 1
635	Suipping off formwork	2 days	2011/11/9	2011/11/1			1		-,		·	· ;			.a -1	P		- 14 -	7 -
636	Backfill	4 days	2011/11/11	2011/11/1	5 1635			1							.: - I	1		- 1-1 -	
637	Base Slab Construction Bay 5 (incl. Step 6) (RHS)	13 days	2011/11/1	2011/11/1			1	7							I	¥		- - -	4 -
1638	Formwork and robur fixing	8 days	2011/11/1	2011/11/	9 1631		1	7								h		- 1	
1639	Concreting	1 day	2011/11/10	2011/11/0	0 1638	1	1	4								h .	L		
.045	- Contract of the Contract of		3.77.77				·		-										
	program with the contract of							to be to	ENGINEERING	minarin	en management								
wiser!	Master Prog (Aug10-Apr1) 任務	•	上數型任務		上斯型速度		·	部任務	CHRISTICS	pastrigis	摘要群組	л,	. •		-				
			上第2世里位第 🔷								斯院								

MEGARN	任務名棋	工期	開始時間	完成時間	消費任務	資源名標		2008年		2009年	and the same of th	2010¢F		2011年		2012年	7	2013年	342
					J		H2	J Hi	H2 -	H1	H2	Hì	H2	HI	H2	F BI	H2	HI	T-1
1640	Stripping off formwork	4 days	2011/11/11	20(1/11/15				J	_'	1	1		<u></u>	4	- '2 - 1	114		: h	1000
1641	Wall Stem Construction Bay 5 (RHS)	13 days	2011/11/16	2011/11/30	L			1	-'	L	1	- !		-1	- ':' - [₩		: h	11:00
1642	Formwork and rebar fixing	6 days	2011/11/16	2011/11/22			1 1	1	_'	1		- '		-'	- '	操		; l·	4 ÷ - •
1643	Concreting	1 day	2011/11/23	2011/11/23			l		_'	1		. '			- ' -	擽		: k	46
1644	Stripping off formwork	2 days	2011/11/24	2011/11/25			1		_'	1					- 3 - 1	操		5 - k	4 5
1645	Bedcfill	4 days	2011/11/26	2011/11/30				ı	_'	1					- 18 - 1	سنگ		2 k	44-7
1646	Retaining Wall (ch 450-500) TR2 (LHS)	54 days	2011/11/23	2012/1/31		TP4		7				_'			- ' -	May		/ k	44
1647	Demolition of House 2 Shs Po Tsai	7 days	2011/12/2	2011/12/9	1649\$\$-7 edays		1	7		1		_'			- ' - 1	嬔			1
1648	Excavation and Formation for TR2 Bay 1 to Bay 3	14 days	2011/11/23	2011/12/9	1642		T	7	-,	1	.,	- 1			- '' _ I	<u> Մե</u> այ	.l	l	1
1649	Excavation and Formation for TR2 Bay 4 to Bay 5	14 days	2011/12/9	2011/12/24	1648	1	1 1	3	-,	7	-,	- 1		-1	.3	Fig. 2		2]
1650	Base Slab Construction Bay 1+2 (LHS)	10 days	2011/12/6	2011/12/16	1	1	† ·	7	-,	7	-,	- 1		-,	- (3 -			: 1]]
1651	Formwork and rebar fixing (with DWF)	8 days	2011/12/6		1648FS-3 days	· · · · · · ·	† :	-;			-1	- 1		-1	- 11 -	101	1	5 1	
1632	Counting	1 day	2011/12/15	2011/12/15			+	4		+		- 1		-! '	- 14 -	1 A	7		1111
1653	Stripping off formwork	1 day	2011/12/16	2011/12/16			+ :		-1	+	-1	- !		-1	- 14 -	1 間 :			1:11
1654	Wall Stem Construction Buy 1+2 (LHS)	11 days	2011/12/17	2011/12/31	A		+		-1	+	-1	- 1	L	-1	- 14 -	1 - 1		1	1::::
1655		5 days	2011/12/17	2011/12/22			+ :		- '		J	- !		-1	- 14	1百	1	[1: - :
	Formwork and rebar fixing	1 day	2011/12/23	2011/12/23			+ :	4	-'		J	- !	L	-1	- '4' -	177		7 -1	1000
1655	Concreting			2011/12/24			·} :	1	-'	L	-/	- 1	<u> </u>	-1	- 13 -	117			1000
1657	Sutpoing off formwork	1 day	2011/12/24				4 :	J	-'	i	2	- '	<u> </u>	-! :	- 22 - 1	∦ * •			1000
1658	Backfill	4 days	2011/12/28	2011/12/31			ļ i	1	-'	1	2	-1	<u> </u>		- 21 - 1	16/12		5-1	1000
1659	Base Slab Construction Bay 2 (LHS) dol	0 days	2011/12/16	2011/12/16	·		4 :	1	-'	1	1	- '	·		- 21 - [16/12	-	: h	1:11
1663	Wall Stem Construction Bay 2 (LHS) del	0 days	2011/12/16	2011/12/16			4 :	4	.'	1			<u>.</u>	-'	- 31 - 1	A rous		:l·	4 5 - 1
1666	Base Siab Construction Bay 3 (LHS)	10 days	2011/12/31	2012/1/12			1 1	1	-'	i	_'	_ '		-'	- '2' -	∤▼-		: h	44 - 1
1669	Formwork and gebut fixing (with DWF)	8 days	2011/12/31		1648,1680		1	1 - 1	-'	1	_'	_ '	<u>.</u>	-1	- 2 - 1	I	-	(h	44-1
1670	Concerting	1 day	2012/1/11	2012/1/13			{	1	1000			_ '	<u>.</u>		- 11	1 1 -		(k	d (-)
1671	Stripping off foreswork	1 day	2012/1/12	2012/1/12	1670		L	-1		!		_ '			- 10 - 1	1 IL -		:k	4
1672	Wall Stem Construction Bay 3 (LHS)	11 days	2012/1/13	2012/1/28		1	T	7	-,		2				- ' " -	J		I	4 : -
1673	Formstook and other fixing	5 days	2012/1/13	2012/1/18	3 1671,1684		1	7	-,	1.	7					135	-1	l	4 4 -
1674	Concreting	1 day	2012/1/19	2012/1/19	1673	1	1	7		7.7	7	- 1			- ''] JE		1	
1675	Stripping off forerwork	1 day	2012/1/20	2012/1/20	1674		†		-,	7	~	- !	,	-1	- 17 -	16		1	1: -
1676	Backfill	4 days	2012/1/21	2012/1/25	1675	-	1	7	-,	7	7	-		-1	- 17 -	1 11]] .
1677	Base Slab Construction Bay 4 (incl. Step 6)(LHS)	10 days	2011/12/17	2011/12/30	1		† ·		-,	7	-,	- 1		-1	- 14 -	TW]]
1678	Formwork and sehar fixing (with DWF)	8 days	2011/12/17	2011/12/28	8 1649SS+7 days		1			+		- !	,	-,	- 14	7481	" <u>-</u>		
1679	Concessing	1 day	2011/12/29	2011/12/28		-						- !		-1 - "		1 11 -	-		
1680	Suipping off formwork	1 day	2011/12/30	2011/12/30		+	+					-!		-1	- 14 -	1 11	-1	1	177
1681	Wall Stem Construction Bay 4 (LHS)	11 days	2011/12/31	2012/1/13			+		-1			- !		-1	- '4 -	1 4 - "	-1		1111
1682	Formwork and other fixing	5 days	2011/12/31	2012/1/		+	+		-'		J	-!		-!	- '4	1 園	-1	1	1111
1683	Concreting	1 day	2012/1/7	2012/1/			+	J	-'			-!		-!	- '4 -	17		; -1	100
	L	1 day	2012/1/9	2012/1/5				ا	-'	h	4		÷	-:	- 12 - 1	17	-[1111
1684	Stripping off formwork	4 days	2012/1/10	2012/1/1				1	-'		4	-!	÷	-1	- 10	† *	-[1111
1685	Backfill		March Control of the	2012/1/14			+	4	-:			-:		-:	- 15 - 1	144			111
1685	Base Slab Construction Bay 5 (incl. Step 6) (LHS)	12 days	2011/12/31		1649,1680		+	4		1		- :		-:	- 13 - 1	+ T			1:-
1687	Formwork and rebur fixing (with DWF)	7 days	2011/12/31					-!	-!		4	- :		-:	- 14 - 1	† ††	-	7-1	1:
1688	Concenting	1 day	2012/1/10	2042/1/10	A Real Property and the second	- 	+			2	-)	- !		-:	- :: -	1 -18	-	7 - 1	1:-
1689	Suipping off formwork	4 days	2012/1/11	2012/1/14			+		-:		-,	-:		-:	- : -	+ 21			17.7
1690	Wall Stem Construction Bay 5 (LHS)	11 days	2012/1/16	2012/1/31	alasana waxana			4	-:		i	-(-:		0	-		d 7 * '
1691	Formwork and sebar fixing	5 days	2012/1/16	2012/1/20								-:	·	-;					4
1692	Concesting	1 day	2012/1/21	2012/1/21		<u> </u>			-:		-,	- ;		-1		}- -		0 -	4
1693	Suppling off foreswork	1 day	2012/1/26	2012/1/20			1	.'	-:		-,	- ;	·	-,	- 65 -	- * -			H
1694	Backfill	4 days	2012/1/27	2012/1/31	1693	L	L		-,	·	-,	-	r		- 12 -	1 - 11 -		j	H = -
1695							1				-1	- 1	÷	-i	- 19 -	네 네 ㅡ		, l	
1696	Drainage & Footpath (Ch 450-490 RRS)	1 day	2012/5/2	2012/5/2			Ι	7			-1	-	+	-1	- 14 -			p .	- 4 -
1697	Construction of drainage & footpath	1 day	2012/5/2	2012/5/2	2					,				-				-	
	crys [constructed myses		上聯盟任務 [2]		上級影響度		,44.0	8任稿	CONTRACTOR .	The same	指受群组	-		,					
Revised	Master Prog (Aug10-Agr1)								SOMETHING THE		MIRI	ď.	•						
	1/7/26 進度 類變		上脳型態程等 🔷		分割			尚清安				10 May 1							

識別問	任務名稱	工期	開始時間	完成時間	前置任務	資源名標	1	2006/01		2009年		2010年		2011年		201	12年		2013/9	
(ALZ)(10)	EE0-044	1.540	MINIM	ACRES CITY	a.m.u.o	Aug.	H2	HI	H2	Ht	H2	HI	Н2	HI			H1	H2	H	1
1698	Retaining Wall (Ch 500-530) TR3 (RHS)	290 days	2011/3/16	2012/3/6				í	1	1					-	1 2 1	<i>J</i> E .1		. 1. 1.	
1699	Base Slab Construction Bay 1 (incl. Step 7) (RHS)	28 days	2011/3/16	2011/4/18					·,	1	300				. 9 .]] [·	44 -
1704	Wall Steer Construction Bay I (RHS)	10 days	2011/4/19	2011/5/3		-		1		1 - 1	7									1 : :
1709	Base Stab Construction Bay 2 (incl. Step 7)(RHS)	20 days	2012/2/1	2012/2/23	1	TP4				7.7	7	-,		1	13	11.3	<i>.</i>		. ' '	11 : .
1710	Excavation and Formation	12 days	2012/2/1	2012/2/14	1694.1685		t	ī ·		7 7 7	-,	- ,		,	30.7	1]] E	4 E E			11 .
1711	Formwork and rebar fixing	6 days	2012/2/15	2012/2/21			f	7		1	2 - 2 :	-,		-,	- 0	11 1 1		1000		13 4 .
1712	Concreting	1 day	2012/2/22	2012/2/2		+		7	.,	7	7	-,		-,	- 0.	1 1 7	4 E D			11 1 .
1713	Stripping off formwork	1 day	2012/2/23	2012/2/2				ŋ ·	.,	1.7	2 - 1			-,	-0-	1131	6 - 1			13 3 3
1714	Wall Stein Construction Bay 2 (RHS)	10 days	2012/2/24	2012/3/6			f	3	.,	7	7			-,	.0.	iT≅¶	2 : [10 1 1
1715	Formwork and sobar fixing	4 days	2012/2/24	2012/2/21				J		T 7 ".	·			-,	20.5	11 7 7	E	1	5	נים
1716		l day	2012/2/29	2012/2/29		ulumarran		7		r	-y	-		-1	- 13 -	11 7 7	6		, In .	17 7
1716	Concepting	1 day	2012/3/1	2012/3/				·		7 - "		- 1		-1	- 14 -	11 7 1	G			17
	Stripping off formwork	4 days	2012/3/2	2012/36						+		-		-1	- 14 -	11 1 1	1			11 1 -
1718	Backfill	4 Gays	2012/3/2	2912231					. !	+		- 1	+	-1	- 14 -	11 * -	[1 - 5 -		11 . "
1719			2011/10/2	2011/11/4		TP5				+		- 1	L	-1	- 14	₩°°	11		- !	H
1720	Cascades (Ca 500 LHS)	28 days	2011/10/3	2011/10/1		122	 	4		÷	J	- !		-1	- 14 -7	ď i	11!			H 1 1
1721	Water Diversion	7 days	2011/10/12	2011/10/19				J	· · · · ·	1	J		t :	-1	- 14 -	置	11	1 - 7 -		11:11
1722	Hactorition	7 days		2011/11/2				J		1		- 12		-'	- 13 -	慌士!	11			11:1
1723	Formwork and privar fixing	12 days	2011/10/20					J		4	J	-!		-'	- 7 -	1. V	{ - -′			11 1 1
1724	Concreting	1 day	2011/11/5	2011/11/				J		1	J 1			-'	-7-	計 し、	1	1		Hár
1725	Stripping off formwork	1 day	. 2011/11/4	- 2011/11/	1724		ļ : -	1	.'	A	4	_ '		-'	- '3' -	[4] A -	-{ ¦		100	Her
1726					İ		l	1	.'	1	4 - 2	_ 1		.,	- 12 -	مخلفا	1		- 1	H ÷ •
1727	Retaining Wall (Ch 500-530) TR3 (LHS)	55 days	2011/11/4	2012/1/10				1 :	:	1	2 - 2	_ 1		2 2 2	- '2' -	MEY.	41	4		H + -
1728	Base Stab Construction Bay 1 (incl. Step 7)(J.HS)	18 days	2011/11/4	2011/11/24			L : .	1 3	:'	L	_'	- '		_'	- 15 -	V-1	414	4 - 4 -	- 2-	H ÷ -
1729	Remove Concrete Block and shotcaste	4 days	2011/11/4	2011/11/5	1724	TP5		1		1	_'	- '		_'	- 14	PIE2	{ ¦			Н÷.
1730	Excession & blinding	6 days	2011/11/8	2011/11/1	1729FS-2 days		[]]	3 - 3 -	1					.'	- 12 -	 	41			14 5 -
1731	Forework and rebar fizing (with DWF)	7 days	2011/11/15	2011/11/2	1730			7	47.7		200			-1	- 15 -	h	41			14.
1732	Concreting	1 day	2011/11/23	2011/11/2	1731			3.7.7.	77 -	1	1	1			- 1	15.	41 1			Н 4 г
1733	Stripping off formwork	1 day	2011/11/24	2001/11/24	1732		1	3	-,		7				- 12	115.	ا ـ الـ	J		Ц.,
1734	Wall Stem Construction Bay 1 (LHS)	10 days	2011/11/25	2011/12/0	5		7	3	-,	7	-,	- 1		-,		X	1			1 .
1735	Formwork and rebar fixing	4 days	2011/11/25	2011/11/25	1733		ţ	7	- ,		-,	-1		-1	- '1	116.	JI			Щ1.
1736	Concreting	1 day	2011/11/30	2011/11/3	1735		t	3	-		-1	- I=	7 7 7	-1	- 14	116	117 .			Ш.
1737	Stripping off ferrowork	1 day	2011/12/1	2011/12/			t	4		+		-		-1	- 12 -	116	11			
1738	Backfil	4 days	2011/12/2	2011/128			t		-1		-1			-1	- 14 -	116.	11	1		
1739	Base Slab Construction Bay 2 (incl. Step 7)(LHS)	19 days	2011/12/5	2011/12/28			†	·				-		-1	- 1-2 -	₩.	11	1		13.5
1740	Remove Concrete Block and shotcrate	4 days	2011/12/5		1738FS-2 days		ł	4	- '	+		- !		-!	- 14 -	115.	11	1		11:1
	Excussion & Minding	6 days	2011/12/9	2011/12/1		·	ł	٠ ٠	- '			-!		-!		116.1	11	1		17:1
1741		7 days	2011/12/16	2011/12/2		- 	}	1	- '	1	4	-!		-1	- 13	11%	11	1		11:11
1742	Formwork and rebar fixing (with DWF)		2011/12/24	2011/12/2		+		J	- '		400	- !	÷	-:	- 13	11 %	11	1		115
1743	Concerting	1 day	2011/12/28	2011/12/2				3	-'	·	100	- !		-1	- 22 -	H	11	1		11 7 1
1744	Stripping oill formwork	1 day		2012/1/10			 	2	-:	<u></u>		- !	-	-:	- :: -	li 📛 1	11	1		11:1
1745	Wall Stem Construction Bay 2 (LHS)	10 days	2011/12/29	2012/1/10		+	ļ	4	-'	·	-1			-;	- 17 -	H T.	1	(·	- 1	H : 1
1746	Formwork and rebur fixing	4 days	2011/12/29				ļ	4	-:					-:	- 22 -	H				H : :
1747	Concreting	1 day	2012/1/4	2012/14			ļ		-:			- :		-:	- 3 -	11 2*	11		- 7 -	H 7 1
1748	Suipping off formwork	1 day	2012/L/S	2012/1/			}		-:					-(- : -	11 2	- 1		- ;	H 7 '
1749	Bockfil	4 days	2012/1/6	2012/1/10	1748		- -	·	-:		i			-;	-3-	11 원	11	1		H + .
1750							ļ	å ·		·	4		7	-;	- 6 -	11 116	- حلك			H + -
1751	Drainage & Pootpath (Ch 490-525 RHS)	30 days	2012/3/2	2012/4/50			L	j	-;	. .	3	- ;	7	-;	- 6 -	14 -11	份 -			Hir
1752	Construction of drainage & footpath	30 days	2012/3/2	2012/4/10	1717		L						r	-;	- 12 -	14 -11	본 -			H = 1
1753						1					-,			-1	2.00	11.1	١.,	4		H • •
1754	Footbridge TB07 (Ch 525)	205 days	2011/10/3	2012/6/12		TP6	L						r	-i	- 13	44 +1	1. 3	1		- H → -
1755	Temporary Pedestrian Division	15 days	2011/10/3	2011/10/20)		L				41			-1	- 14	34 -	l		-	H -
1755	Temporary Pedestrala Division (at grade)	14 days	2011/10/3	2011/10/20	1176	TP6		·		F =				-		H IP6				
	Anna a sur a										- 1									
		_	r management	11111111	上期型他院			密任務	10030390	(8000000	檢索幹組	_		,						
Revised I	I Master Prog (Aug10-Apr1 任務 三十二 新程件	-							PHOTO CO.	CONSTRUCTO		, j.	•							
	11/7/26 鎮度 捕襲		上願型単程等 🔷		分額		100	素模型	THE PERSON NAMED IN	Contract City	12000	42.								

政別期	任務名構	工期	网络喀勒	完成時間	前置任務	資源名儀		2006年		2009年		2010年	T	2001年	7	2012	and the same of th	H2	2013年 H1	1
				********	ļ		H2	Ei	H2	HI	H2	H)	H2	HI	112		E)	HZ		1
1757	Demolition of existing Footbridge TB-D (Ch 525)	3 days	2012/6/9	2012/6/12				'		1		<u> </u>	<u> </u>	(:: - l∗	1 314	- T		: P	11:
1758	Remove concrete pipes and demokition works	3 days	2012/6/9	2012/6/12			!			1 1 -	4		: ·	!	3 -₩	₩.	- 4		: h	11:
1759	Construction of Abutment A	28 days	2011/10/28	2011/11/29	d		!		'	i	4			.'	: - I	MHH.	{		2 - 1	1
1760	Excussion and Blinding	7 days	2011/10/28	2011/11/4						<u> </u>			÷		': - B	≵ ⊹ -	[> - E	4÷-
1761	Pograwork and other fixing for base slab	5 days	2011/11/5	2011/11/10			!			<u></u>			<u>.</u>	!	:: - P	極計士			> - 1-	44-
1762	Concreting of base slab	1 day	2011/11/11	2011/11/11					٠				<u>.</u>	! :	2 -1	본네네			2-1	4
1763	Singoing off formwork	3 days	2011/51/12	2011/11/15	1762						7		·	!	'' ala	P .11	- 4		2-1	44 -
1764	Rebar fixing and shuttering formwork for column	4 days	2011/11/16	2011/11/19	1763					1.	7				'' - I.					44
1765	Concerting	l day	2011/11/21	2011/11/21	1764		1 3			7	-,	,	p	,	''	(£,]				11.
1766	Stripping off formwork	3-days	2011/11/22	2011/11/24	1765				,	r " "	-,	1		,		[E7]	- 1		1-	J ' .
1767	Backfill	4 days	2011/11/25	2011/11/29	STATE OF THE PARTY		t ¬				-,	1	,		'T -	1041	- 7			1.
1768	Construction of Abutment B	33 days	2012/2/15	2012/3/23						,		1		-1	.4	1 1	<i>5</i> 1			1:-
		ACAD MAN PROPERTY AND ADDRESS OF THE PARTY AND	2012/2/15	2012/2/28	A		} - -					1	*		14 - 1	1 17	- 1			1 * -
1769	Excavation and Blinding	12 days		the second second second second second	4						-1			-1	H4	1 17	r1			1
1770	Formwork and relair fixing for base state	5 days	2012/2/29	2012/3/5					l=	+		I			14 -	1 4 7	r1		h = 1	4
1771	Concerting of base slab	l day	2012/3/6	2012/3/6						+	J = -1	i	£	4	14 -	4 + - 9	<u></u>			11-
1772	Stripping off fernswork	3-days	2012/3/7	2012/3/9	4					1	2	i=	1		13 a -	4 41-6	<i> </i>		in	4
1773	Rebor fixing and shahreing formwork for colores	4 days	2012/3/10	2012/3/14			ر ـ ـ ـ ا			1	2		4	J	13	세 하다	}- -		S = 1	手手士
1774	Concerting	1 day	2012/3/15	2012/3/15			ر ـ ـ ا			L	1		L	1	12 - 1	네 사다	<u>-</u> ~ -∤		4 - 1	4
1775	Stripping off fermwork	3 days	2012/3/16	2012/3/19	1774		[]]			1	J	L	1	3	22	4 41-7	& -}		4 - 1	44.
1776	Backfill	4 days	2012/3/20	2012/3/23	1775					1)	1	1	1	13	1 414			S - 1	44.
1777	Footbridge TB07 (Ch 525)	31 days	2012/5/22	2012/6/27			7 7		,		7	1	1	1	0.0	الباليال	- 44	<u>'</u>	L .	1:.
1778	Construction of decking	16 days	2012/5/22	2012/6/8		-				7	7	,	; '	,	1.0	1 313			1	J & .
1779	Exertise of standard a contratal	-laye	2012/5/23		1174,1525	+	1 1		,		7	,	7	,	10.7	1 117	1.12]]]
1780	Dick Selving:	Tii riggs.	30[369.56]	201253							7		7	,	10.0	1 717	- IB			777
1781	10K 01V0/2	O chapa	311,801	3013/KM				-		i	7	ļ	7	·,	10.7	1717	T#	6/6	0.00	177
		A SECTION AND A SECTION AND A SECTION AND A SECTION AS A	2012/6/7	3/13/6/5						7	7	(7	7 7 7	0.01	1 7 7	- 1	K	C .	1: -
1782	Rolliny intradicts			2012/6/27							5	·	7	η ·	n - 1	1 7 7	- 4		F -	137
1783	Footbridge TB97 Lighting	15 days	2012/6/9				5			7	5		7		n - 1	4.715	- 10		F - 1	177
1784	Construction of Drawpits / Ducting	7 days	2012/6/9	2012/6/16						÷	4		r ·	-,	10 m	4 7 7	- 積		C - 1	1 7 -
1785	Public lighting Installation (CE2328)	6 days	2012/6/18	2012/6/25							7				12 -	1 7 -	- 8	/	F - 1	d
1786	Public lighting Installation (CE2329)	6 days	2012/6/18	2012/6/25			L				n			-1	17 -	4 -1-1	l - 19	ř. – –	r - l	
1787	T&C	2 days	2012/6/26	2012/6/27	1786		L				-1				19 -	4 41-7	1 - 14		j	
1788					T									-1	- A	'حلم اه	1 - 4		1	<u> </u>
1789	Ch 525-615	526 days	2010/10/15	2012/6/27	1						-1	. 1		d	14 -2	4 - 1 -	- f*	'	i	
1790	River Diversion & Remove Conc Block	7 days	2011/10/3	2011/90/11	1176							1			<u> </u>	4-1-	1 - 1		in	4 .
1791	Retaining Wall (Ch 535-546) TR4 (LHS)	37 days	2011/10/12	2011/11/23	1							1				200	1 - 1-		!	بياء
1792	Exception and Formation	14 days	2011/10/12	20(1/20/27	1790		1						;			4 113	[]		1	ي د اد
1793	Base Slab Construction Bay 1&2 (LHS)	11 days	2011/10/28	2011/11/9			t :			:	5		:			2 1 1	1 - I.]]]
1794	Fortrwork and rober Soving	8 days	2011/10/28	2011/11/5			t			:		:			10	6.1	T- T-			15.
1795	Coextring	1 day	20(1/11/7	2011/11/7			h :			h			:			6	- [,		7.7	15.
1796	String off formwork	2 days	2011/11/8	2011/11/9			h					· '	:	1	17 -1	15 1 -	- f.			177
		COLUMN TO SERVICE STATE OF THE PARTY OF THE			4						-:	· :	÷ :	-(15 - 1	취하다	1 - t.		7-1	177
1797	Wall Stem Construction Bay 1 (LHS) delete	0 days	2011/11/9	2011/11/9								· '	÷ :		::: - D	1 26	- t.			11:
1802	Base Slab Construction Bay 2 (LHS) del	0 days	2011/11/7	2011/11/7	- 									-1		4."	1 - f		2	11:50
1806	Wall Stem Construction Bay 1&2 (LHS)	12 days	2011/11/10	2011/11/23			'					·	· ·	-1	- 13 - F	₹- -	1 - H		2-1	11:1
1807	Formwork and reber fixing	6 days	2011/11/10	20(1/11/16	THE REST SECTION AND ADDRESS.		L '						÷ :	-1	- 18 - J	- -	t - 10		I	44.
1508	Concreting	1 day	2011/11/17	20(1/11/17	Acres a research and a second	1				1			· ·		l	D- -	(- L)			44.
1809	Stripping off formwork	1 day	2011/11/18	2011/11/18								. !				.₩-1-	1-41			4.
ESID	Backfill	4 days	2011/11/19	20(1/11/23	1309	1	[7				7				. 3 . 1	세비	1. 1.			4:
1811					1		7 7			1	-1	1		-,		11.1.				1:
1812	Retaining Wall (Ch 535-546) TR4 (RHS)	36 days	2012/2/29	2012/4/14	i	TP6	r 7			r	,		,	-,	l][][.₹ ľ		5 1] ' '
1813	Encavation and Formation	12 days	2012/2/29	2012/3/13			7			F	-,			-,		11717	E 1'		5 -	1.
I\$14	Base Slab Construction Bay 1+2 (RHS)	11 days	2012/3/14	2012/3/26	shows a many com-					7		- 1		-,		.1i* ĭ	# T			411
1514	Base Siab Constitution Bay 1+2 (KHS)	11 days	2012/3/14	201203120	1013		نـــــــــــــــــــــــــــــــــــــ							whomen	-		- L			-
										WINDSHEED A										
Nacional	Master Prog (Aug 10-Apr 1 任務 二二二二 里程碑	• .	L解型任務		上顯型態度		外部/	王務		2000	簡要詳細	•	-							
0evised 3別: 201	Master Prog (Aug 10-April	_	L類型業校課 ◇	-	分割		, 專案:	sod t	Character	meetite	REPORT	Ð								
	300	* .	THE SERVICE AT	7	ea mil		4 75.000	PROFE.	*	-										

199.0442500	22-78-04-06	195140	PRIADERIN	完成時間	航電任務	資源名稱		200222		2009年		2010年		20119	8	120	1244		2013	华	
200909	任務名構	3230	開始時間	36866886	AT RELESS	州海公司	H2	2008年 H1	H2	2008/II	H2		H2	81			BI	H2	E		НZ
1815	Formwork and other fixing (with DWF)	8 days	2012/3/14	2012/3/22	1813	1		1	1 /80				1	l I	'1	Π'n	Ą.			1	
1316	Concreting	1 day	2012/3/23	2012/3/23		-	t	:				- ;		-,	- 14		16 I			11.1	
1817	Stripping off foretwork	2 days	2012/3/24	2012/3/26		+	} ·	:			-,	-;		1	11	11151	-E [13.1	
1818	Wall Stem Construction Bay 1 (RHS) del	0 days	2012/3/26	2012/3/26			t ·			1	-,	- 1	. ;	-,	- ii -	11171	₹ 26	3	- 6	13 3	
1823	Base Slab Construction Bay 2 (RHS) del	O days	2012/3/26	2012/3/26		-	†		,		-,	-,		-,	7.0	1 1	2 5	3 -		11.3	
1827	Wall Stem Construction Bay 1+2 (RHS)	13 days	2012/3/27	2012/4/14	A STATE OF THE PARTY OF THE PAR		t			7	-,	-1		7 - "	7.0	117				17.7	
1828	Formwork and subar fixing	6 days	2012/3/27	20(2)4/2		+	t		,	7	5	-1	777	-,	10.0	1111	- E 1			111	
1829	Concessine	1 day	2012843	2012/4/3			f		,	T	7 - 7	- 1		7	" ()	11171	- 12 1			11 7	
1830	Suipping off fernancis	2 days	2012/4/5	2012/4/10			t			7	7			-,	- 0 -	1111	- 🚡 🕇			11 7	
1831	Backfill	4 days	2012/4/11	2012/4/14		+	t ·			T	7	-1		-,	- 13 -	11 3	- i 7 t			' []	
E832	Retaining Wall TR5 Ch (\$46-596 RHS) TR5 (AD)	306 days	2000/10/15	2011/9/27			f	1		r	-,	- 1	· · · ·	-	-	11 7	- '			17.	
1833	Construction of temp hand and	25 days	2010/10/15	2010/11/8			}	1		7		-	Fa	-1	- 14 2	1 7	†			11 7	
1834	Devolition of Existing structure at slope crost	8 days	2010/11/9	2010/11/16			} ·	1				- 1	- + - "	r.,	- 14 -	1 •	1		- 1	11.	
1835		17 days	2010/12/2	2010/12/18			† ·			+	-1	-		'gt	- 14 -	† *	†		-	11.	
	Suspension of Worlt due to villagum sully	5 days	2010/12/19	2010/12/2		+	· ·	4	1	b	-1	- 1		₩	- 14 -	† +	†		- !	11.	
1836	Construction of Amponery ground beam	1	2010/12/24	2011/3/11	. I		 		'	+		- 1		<u>***</u>	- 14 -	† *	†		- !	11 1	
1837	Trimming of rock slope (fines downstream to apstream)	73 days	2011/2/22	2011/4/14			+	1	'		J	- !		وإجد	- 14 -	+!-	t	'	- :	11 1	
1838	Install mock dowel	45 days	2011/2/10	2011/9/27		+	·	J	'	L	7					† †	-, - (- :	11 1	
1839	Construction of skin wall (from DiS to UIS, from toe to crest)	165 days	2011/900	2011/9821			ļ ·	J =	'	1	4	- !		-1 - 12	-5-3-5	H +	t	:	- : -	Ht.	
1840			2011/11/19	2012/1/4		TP7		!	'	L	1	-			- 22 -	لفات	1		- :	11:	
1841	Retaining Wall TRSA CHS46-585 LHS	37 days	and the second s			LP/	ļ - - ·	!	'		4	- !		-'	- 22 -	陋	†		- ; -	11:	
1842	River diversion, Excavation and Formation	24 days	2011/11/19	2011/12/16		-	ļ ·	!	.'			-! :		-:	- 11 -		†			11 7	
1843	Base Sish Construction TRSA Ray 1 LHS	8 days	2011/12/3	2011/12/12			ļ ·	!	:	·	·	- : :		-:	- :: -	HX:I	†		- ;	11 1	
1844	Formwork and rober fixing	6 days	2011/12/3		1842SS+14 eday	M	ļ ·		:			-)		-;	- 14 -	HT I	1		- 1	11.5	
1845	Coccreting	1 day	2011/12/10	2011/12/10			ļ ·		:	÷	i		- ;	-;	- 10 -	ll El			17.	11 5	
1846	Stripping off formwork	1 day	2011/12/12	2011/12/12					·			-)		-;	- in -	اضاا	1			11 1	
1847	Wall Stem Construction TRSA Bay 1 LHS	9 days	2011/12/13	2011/12/22		ļ	ļ ·	,						-,	- 6 -		1			1 7	
1548	Formwork and rebur fixing	4 days	2011/12/13	2011/12/16			ļ ·	,	,	÷			. ,	-,	- 0 -	11 11	+			117	
1849	Coexteing	1 day	2011/12/17	2011/12/17			£				-,	-;		-,	- 12 -	H ₹				· 11 ~	
1850	Stripping off formwork	1 day	2011/12/19	2011/12/19	Annual Control of the		ļ ·	,		·	-,	-1		-1	- 17 -	⊮₩			a p -	- - -	
1651	Backfill	3 days	2011/12/20	2011/12/22	and the second second second		ļ ·			·		- 1		-,	- 14 -	╟┷╢				· - -	
1852	Base Slab Construction TRSA Bay 2 LHS	8 days	2011/12/13	2011/12/21			ļ - - .					- 1		-1	- 14 -	ы			- 1	· H •	
1853	Formwork and privar fixing	6 days	2011/12/13	2011/12/19			ļ		t	+	-1	- 3	- +	-1	- 14 -	胀원			-)	· H •	
1854	Concreting	1 day	2011/12/20	2011/12/20			1	4		+		- 1		-1	- 14 -	바윈	1		- 1	· H ^	
1855	Stripping off formwork	1 day	2011/12/21	2011/12/21			1	4		+		-1		-1	- 14 -	2			- 1	· H -	
1856	Wall Stem Construction TR5A Bay 2 LHS	9 days	2011/12/22	2012/1/4	A STATE OF THE PARTY OF THE PAR		ļ			4		-1		-1	- 17 -	H۳		·		· H -	
1857	Formwork and rebar fixing	4 days	2011/12/22	2011/12/28			l	1		L		-1		-1	13 .	9			. · ·	· H -	
1858	Concreting	1 day	2011/12/29	2011/12/29			l			1		-1		J		ᆙ		·		· H +	
1839	Stripping off formwork	1 day	2011/12/30	2041/12/30				1		1		-1		2.0	9 .	N		'	- 5 -	· 14 -	
1860	Backfill	3 days	2011/12/31	2012/1/4	and the second second second		ļ ·	1		1		, I		1	- 2 -			'		· H ÷	
1861	Base Slab Construction TRSA Bay 3 LHS	8 days	2011/12/3	2011/12/12			l	1		1				4	- 17 -	₩4		'	- :	· H ÷	
1862	Formwork and robur fixing	6 days	2011/12/3	2011/12/9		,	ļ	!		1		'- ' ·		-!	- '' -	144			- :	· H ÷	
1863	Concreting	1 day	2011/12/10	2011/12/10			1	!	.'	. i	'	-'		-!	- 11 -	1 14			- :	- 14 -	
1864	Stripping off foreswork	1 day	2011/12/12	2011/12/12	and the same and the same and the same and			1	'	1		- '		-1	- 2 -				- }	- 14 ÷	
1865	Wall Stem Construction TR5A Bay 3 LHS	10 days	2011/12/13	2011/12/23			L	!		·		- ! :		-,'	- 2 -				- 2-	- 14 ÷	
1866	Formwork and reber fixing	4 days	2011/12/13	2011/12/16								-!			- 3 -	H			- 2 -	- 14 -	
1867	Concreting	1 day	2011/12/17	2011/12/17								- ! :		-,	- :: -	ᆙ			- (- - -	
1868	Stripping off formwork	I day	2011/12/19	2011/12/19								- : :		-,	:	11 %		ļ		-	,
1869	Backfill	4 days	2011/12/20	2011/12/23	1868									-;		H Ü				-	,
1870														-;	- 12 -	الم ال				. [-] -	,
1871	Box Culvert TB02 (ch 580)	39 days	2012/1/11	2012/2/28			[]]				-1	- 1	- +		- 14 -				- j	- 1-1 -	,
1872	Head Read Diversion to TR3 Bay 3, River diversion, Excavation and Blinding	10 dzys	2012/1/11	2012/1/21	1749							1= 2				Ш				Ш.	
																	_			_	
			上類型征務 [2]	-2-2-2-29	上期型後度		M-00	任務	DEST	in the same	被驱防护	_		,							
Revised I HIRE 2011	waster Prog (Aug to April						-		STORAGE	SOURSOUS A	1979	, ,i,		-							
	17/7/6 進度 接要		上面財政保護 🔷		分割		100.4	(株要	Charles on the last		\$10.00m	- 9									

網(別)	在歌之間	工期	開始時間	完成時間	前置任務	資源名様		200650		2009年		2010年		2041年	Fi.	201	2年		2013年	
anchine)	任務名構	Tive	MORPHIN	JOHOPPIN)	DIMEEO	March	H2	H1	H2		H2	Hi	H2	HI			н1	H2	HI	H
1873	Construction of Base Slab	8 days	2012/1/26	2012/2/3		-		1	-1		1	1	1	1	11		, 7	!		: .
1874	Forerwork and rebor fixing	6 days	2012/1/26	2012/2/1	1972	+			- :			- ;			-6.	11 15	- 1.			1
1875	Concreting	1 day	2012/2/2	2012/2/2				-, :				- ;		1	- 0	11:17	1.			1
1876	ALCOHOLOGICAL DE LA CONTRACTOR DE LA CON	1 day	2012/2/3	2012/2/3		+	 	-:	-:			- ;			- 10	11 : 6	' - t		[1	7 - 1
	Suipping off Commonly		11.01.00	2012/2/28					-:			- ;	-	-;	-61	11 🌤	p = † ()		11	7 -
1877	Construction of Wall Stem and Top Slab	21 days	2012/2/4						-:				7	-;	- 6	11 17	- 1, -	/	11	7 - '
1878	Footpwork and rebar fixing	6 days	2012/2/4	2012/2/10				·	-:			-	7	-;	- 6	네 : [8	r +, ·	;	H	7 - 7
1879	Concreting	1 day	2012/2/11	2012/2/11							; :	- ;	T	-;	- 6	付き層	r - h. ·		H	T -
1880	Stripping off formwork	14 days	2012/2/13	2013/2/28	1879		L		- :			-;	r	-,		- [] - [변	- 1, -	:	H	T -
1881						·	l	·	-:					-:	- 12 -	طة ال	<u> </u>	:	H	T -
1382	Retaining Wall TRSA & TR6 CH585-595 LHS	50 days	2012/1/26	2012/3/23			L							-,	- 13 -	. ↓ -5-2	▼. ↓, .	1	H	-
1883	River/Hual Road Diverson (to TR3 and TR5 RHS)	3 days	2012/1/25	2012/1/28						_ '					- 13 -	. - -		:	14	+ -
1884	Entayation and Blinding	14 days	2012/1/30	2012/2/14	1883	1	T								- 14	.[] .표	L - I.	1	14	
1885	Base Slab Construction TR6 Bay 1 LHS	10 days	2012/2/15	2012/2/25		1	7		- !						- 14 -		2 da .	1	-	4 -
1386	Forniwork and reber foring	S days	2012/2/15	2012/2/23	1884	1	t					- !		.,	- 14	11 116	4 . I.			4 -
1887	Concetting	1 day	2012/2/24	2012/2/24	1886	1	t							-,	- 14		6. L.		[]	
1888	Suipping off formwork	l day	2012/2/25	2012/2/25		-	t	-1	- '	- +		- !				17 7 7	I - I.			
1389	Wall Stem Construction TR6 Bay 1 LHS	10 days	2012/2/27	2012/3/8			i		-!			- !		-:		11 👯	ğ. İ.	;	[]	1 -
1890	Formwork and other fixing	4 days	2012/2/27	2012/3/1			}	J	- '			- '		-!	- 13	11 1 1	T - 1.	;	7	
1891	Concessing	1 day	2012/3/2	2012/3/2		+	}	4	-'			- !	÷	-:	- 13	11 1 1	T- 1.	:	17	
				2012/3/3		+		1	- '			- !	÷	-:	-3-	11 : 1	r- t.	;	11	-
1892	Stripping off formwork	1 day	2012/3/3	CONTRACTOR CONTRACTOR CONTRACTOR			ļ	1				- '		-1	- 22 -	11 1 1	# - t.	:	11	
1893	Backfill	4 days	2012/3/5	2012/3/9	*		ļ	_'	- '			- '		-0-1	- 12 -	tit te	4 - f. ·	;	11	
1894	Base Slab Construction TR5A Bay 4 LHS	8 days	2012/2/25	2012/3/5				_'		_ 1		- '		-1	- 31	· It ÷ 3	₫- ¦∵	;	H	÷ -
1395	Formwork and orbor fixing	6 days	2012/2/25	2012/3/2	A		ļ	100	-'				÷	-1	- 18 -	- - 	 	:	H	i -
1896 -	Concreting	1 day	2012/3/3	2012/3/9		J	l	_'						-!	- 13 -	- 4 -	4 - 1.		H	
1897	Stripping off Somwork	1 day	2012/3/5	2012/3/3			L	.'	- '			- '	<u>-</u>	-1	- 10	- I - -	$I_{r} + I_{r}$:	: H	7 -
1398	Wall Stem Construction TRSA Bay 4 LHS	10 days	2012/3/6	2012/3/16			[]]	7		. !		_ '	<u>'</u>	-!	- 20	. [1 3 5	F- 1.		14	
1899	Formwork and other fixing	4 days	2012/3/6	2012/3/9	1897	T	Γ	7	-,			_ '				. II .	4 . L.	:	14	
1900	Сопсиня	! day	2012/3/10	2012/3/10	1899	~~~~~		7	-,	- 7 -	7	-				. [] ! .		:	1	
1901	Singular off formwork	1 day	2012/9/12	2012/3/12	1900	1	†	٦	-,			- ,	r	-1	- '1	11 1 1	6			1 -
1902	Bakfill	4 days	2012/5/13	2012/3/16			†	¬	- ,			-	r	-1 -	- 17	11 7	[]			
1903	Base Slab Construction TR5A Bay 5 LHS	8 days	2012/3/3	2012/3/12				¬						-1	- 14 .	11 1	. I.			
1904	Formwork and sebar fixing	6 days	2012/3/3	2012/3/5	A	+				- +		-	,	-1	- 141	· 1 · · ·	II- ['			
		1 day	2012/3/10	2012/3/10		+	+					- !	+	-1	- 14 -	· + -	7- t'			
1905	Concreting	A CANADA AND A STATE OF THE ABOVE TH	2012/3/12	2012/3/12		+	+	4,		- +		- !	L	-1	- 14 -	- + -	7- f"		-	
1906	Stripping off formwork	1 day							-1				L	-1	- 14 -	-11 + ∎	- #* †" '		-	
1907	Wall Stem Construction TRSA Bay 5 LHS	10 days	2012/3/13	2012/3/23	A			_	-1			-!	h	-1	- 14 .	- -	7- ∤		' <u> </u> -	4 -
1908	Formwork and other fixing	4 days	2012/3/13	2012/3/16				J	-1	_ 1			7 7	-1		- -	· [** **		· -	4 -
1909	Concreting	I day	2012/3/17	2012/3/17		1	L	J	- '	26 - 3		_ t	1	J		- - ^ -	- - - ' -		· -	
1910	Stripping off formwork	1 day	2012/3/19	2012/3/19	A		L	3	- '	- 4			L	200	12 .	- II	- (tal.)		'	
1911	Buckfill	4 daya	2012/3/20	2012/3/23	1910		L	1	- '	_ 1			1	A	12 .	- [] A -	-F-1		· -/-	
1912									- '	_ 1				J	12 .	، ئىلل	- - l' -		' l-	i -
1913	Retaining Wall (ch 595-615) TR3 (Buy 3)	36 days	2011/10/3	2011/11/14		6.1	T			1				1	. '1	. .	. l _ '			1 -
1914	River diversion, Excavation and Formation	14 days	2011/10/3	2011/10/19	1176	1	1	1		1				_'	'! .	된 : .	.l. II'		·	
1915	Base Slab Construction Bay 3 LHS	12 days	2011/10/14	2011/10/27		1	t		-,		-,	1		1	- 13	₹ .	. . l			1 -
1916	Formwork and sebar fixing	10 days	2011/10/14	2011/10/25	1914FS-5 days		t	5	-,		,	,	7	-, -	- 13	H.	11 11		C	11.
1917	Conceding	1 day	2011/10/26	2011/10/26	Annual and the second	1	†		-,			-,	7	-,	. 0	H.	1 1			
1918	Staipping off formwork	1 day	2011/10/27	2011/10/27	4		t	5	-,			- 1	,	-, - ·		61.	-1-11-		C .	1 7
1918	Wall Stem Construction YR3 Bay 3 RHS	6 days	2011/10/28	2011/11/3			t	3	-,	- 7 -	,		r	-,		· 🔅 🗀 ·	- - t-			7 -
			2011/10/28	2011/11/3		+	-	η	-,	- 7 -			r	71	-17	- T 7 .	- - -			7 "
1920	Formwork and other fixing	4 days						7		- T -	,		r	-1	- 17	- Kr.	- - -			7 -
1921	Concerting	1 day	2011/11/2	2011/11/2		_	}	-	- 1				,	-1	- 176	- 	- - }+		j= = =	7 -
1922	Stripping off forework	1 day	2011/11/3	2011/11/2			ļ		- 1	- T -		- 1		-1	- 14	- <u>I</u> + ·	- - +		j	
1923	Wall Stem Construction TR3 Bay 3 LHS	9 days	2011/11/4	2011/11/14	1	1											سلل			-
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	Marion Brook August D. Angel 任格 [二二二二] 用程确	•	上離型在務 二二二		- 福安敦度 -		494	修任器	888909	THE REAL PROPERTY.	獨要群组	_		,	,					
Revised N	Master Prog (Aug 10-Apr 1		上面和重化的					家摘要	DECEMBER OF THE PERSONS AND PE	and the same of the same of	期間	ர்								
日期: 2011																				

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3407/44	任務名儀	工期	開始時間	完成時間	前置任務	資源名標		2008年		2009年 HC	H2	20104F H1	H2	2011年	H2	H1	ALC: UNKNOWN		H) [H2
1934	December and refer for the	4 days	2011/11/4	2011/11/0	1 1922	ļ	H2	El	H2		<u></u>	, n:	L nz	1	1	1 1	1	1		
1925	Formwork and privar fixing		2011/11/9	2011/11/5			+		· ÷					-;	5 - 1	1 -	t - "		115	
1926	Concreting Surjuping off fernavork	i day	2011/11/10	2011/11/10			+	:							6 1	7	·		11:	
1927	Suppring of territories. back fill & diversion	3 days	2011/11/11	2011/11/14			+	:-						-;	10 - 1	*	٠		- 17 7	
1928		ALCOHOLOGICA CONTRACTOR CONTRACTO	2012/5/26	2012/6/20			+		7					-;	6 - 4	7 -1.	*		11 7	
	Conceste Slab (Ch546 - Ch596) LHS	27 days	2012/5/26	2012/6/7			+						7	-;	400	7 -1:	· W -		11 7	
1929	Bay I	11 days	2012/5/26		9 1911,1779		4						T	-;	0	7	-₹,-		- 11 -	
1930	Excavation/Binding	3 days		2012/50	A		4 3		7				7	-,	0	7 -	_# -	(11 7	
1931	Formwork and schor fixing for DWF	4 days	2012/5/30				+ 5	,-		,			p	-,	0.00	7 -1-	* -		- 11 7	
1932	Concessing of DWF	1 day	2012/6/4	2012/6/	1931 1931SS+2 days	ļ	+					,	r	-,	17	т	1.il	1-	- - 7	
1933	Peenwork and rebar fixing for slab	4 days	2012/6/1		and about the party of the second		+	,-	r			1		-1	13	Υ -	· T -		- 11 -	
1934	Copyreting of slab	1 day	2012/6/6	2012/64			+	1-	7			1		-,	14	· ·	· # -	1-	- - *	
1935	Stripping off formwork	1 day	2012/6/7	3012/6/		ļ	+ 4	1-	+			ı		-1	F-9	+ -	- -	⊢	- 1-1 +	
1936	Bay 2	12 days	2012/5/50	2012/6/12			+ 4	1-	+			j		-1	14	+ - -	- ₩ -	t-	- - +	
1937	Excavation/Blinding	2 days	2012/5/30	2012/5/3		. į		1-	+			t=		-1	14	· ·	· 17r -	= - i-	- 14 *	
1938	Formwork and reber fixing for DWF	4 days	2012/6/4	and the same of th	7 1937,1931		4	1				ı	L	-I	14	· • - -	· []]	!-	- - *	
1939	Concreting of DWF	I day	2012/6/8	2012/6/		<u> </u>	4 4	'-	4			I		-i			-[浙 -	5	- - 4	
1940	Formwork and orbar fixing for slab	4 days	2012/6/6		9 1938SS+2 days		4	'-	1	4		i	·	1	W - 9		- Tr		- - -	i
1941	Concreting of slab	1 day	2012/6/11	2012/6/1			د ۔ ۔ اِ	'-					1	J	9	. ا - ا	- -		- - -	i
1942	Stripping off formwork	l day	2012/6/12	2012/6/1			41	1	1		٠		L	J	9		<u> 1</u> -		- - -	
1943	Bay 3	14 days	2012/6/1	2012/6/16			1	'.	1				L	J	. V		· 77 -		- 14 ÷	
1944	Encavation/Blinding	2 days	2012/6/1	2012/6/	2 1937		I	'	1		٠			1	9		. ¥	'-	- - -	1
1945	Formwork and reber fixing for DWF	4 days	2012/6/7	2012/6/1	1944,1934		T					L	·	· ·			. 第一		- 14 4	
1946	Concreting of DWF	1 day	2012/6/12	2012/6/12	2 1945,1938	-	7		- 1			Ĺ	·				. lh-	'-	- 14 4	
1947	Formwork and rebor fixing for slots	4 days	2012/6/11	2012/6/1	1946FF+2 days	1	7							1		. !	. #-		- 14 3	
1948	Concreting of slab	1 day	2012/6/15	2012/6/1	1947	1	7 7							7		. 1	. J.		- - -	
1949	Stripping off formwork	1 day	2012/6/16	2012/6/10	5 1948		1		1					7 1	•	1 .	. ľ.	'-	- 14 4	
1950	Bay 4	16 days	2012/6/4	2012/6/21		1	1 7	,-				,		-,	10	1	₩.			
1951	Exception/Sinding	2 days	2012/6/4	2012/6/	5 1944	1	17	,				1 -	7	7 :	''	. <u> </u>	. ₩		- 14 5	
1952	Fourtwork and rebar flaing for DWF	4 days	2012/6/12	2012/6/1:	5 1951,1945	-	† 7	,			,	1		-1	'11 -		<u> </u>		- 11 :	
1953	Concreting of DWF	1 day	2012/6/16	2012/5/1	5 1952	Ť	† 7					4		-1	178	1	th			
1954	Fortrowork and rebot fixing for slab	4 days	2012/6/15	2012/6/19	9 1953FF+2 days	†	+ 7					1		-1	14			1-		
1955	Concepting of slab	1 day	2012/6/20	2012/6/2		†		1	,			1		-1		+ -	- K	1-	: [] :	
1956	Stripping off formwork	1 day	2012/6/21	2012/6/2	A	†	+ 1	1	+			1		-1			- 7		1 II 3	
1957	Bay 5	18 days	2012/6/6	2012/6/27		 	+ 4	!				1		-!		1 1	Ť.			
1958	Escavation/Blinding	2 days	2012/6/6	2012/6/			+	'-	+		'	i	:	-!			- II.	:-	1117	
1959	Formwork and rebur fixing for DWF	4 days	2012/6/16		0 1958.1952	+		!-	:			!	:	-!		1 1	- E-		1117	
1960	Concreting of DWF	1 day	2012/6/21	2012/6/3		1	+	'-					:			: -	- K		E ID 3	
1961	Formwork and rebur fixing for slab	4 days	2012/6/20		1960FF+2 days		+	'-	1		:	·	:	-:			- 1 ₆ 1		- 11 7	
1962	Concreting of slab	1 day	2012/6/26	2012/6/2		 	+	'	!	·	:	:					- L		- 11 :	
1963	Stripping off formwork	1 day	2012/6/27	2012/6/2			+	:	:					·	· · · ·		- 7-		- 11 7	
1964	orthonic or touthware	100	2012/02/	20127070	12700	+	+	:	:					4	10.00		; -		- 1 :	
1965	Drainage and Footpath (Ch525-615 LHS & RHS)	48 days	2012/3/5	2012/5/3	s		+	:	:				7		11	i 🐞	.		113	
1966	Construction of Sootpain & desirage works	43 days	2012/3/5	2012/5/			+	;	:		,	7.5		7-5	· 4 · · ·	7	≘h " "		1117	
1967	Lighting at CH 550-610	10 days	2012/5/7	2012/5/17				;						-,	40.0	1	₩		- 11 3	1.
1968	Construction of Drawpits / Durling	6 days	2012/5/7	2012/5/1	The same of the sa	-	+	,	7		,		7	-,		7 -	6.	0.00	- 17 7	1
1969	Public lighting Installation (CE2325)	2 days	2012/5/14	2012/5/1			+ 7				,	ı	7	-,	9.5	7 -	- II		" [1] 7	î
1970	Public lighting Installation (CE2306) Public lighting Installation (CE2306)	2 days	2012/5/14	2012/5/1			+ 5	,-	7			,	7	-,		7 -	- II		- 11 3	
1970		2 days	2012/5/14	2012/5/1:	and the second s		+ 7	,-	7		,	·	τ	-,	.u	γ -	Б.		י דן ־	
1971	Public lighting Installation (CE2327) T&C	1 day	2012/5/16	2012/5/1			+ 7		7				r	-1	. id	7 -	b., -	1-	- [† ·	
		1 day	2012/5/17	2012/5/1		+		1	7				+	-1		· v -	- 1	;-	- 11 1	
1973	Removal of existing lighting (CE1600-B2)	1 cay	2012/3/17	2012/3/1	1714	+	1		T			1	+	-1	11 1	+ -	- '	1-	-11.	
1974											·	J						·		
									neuron tupo	707001										
Daviend *	taster Prog (Aug10-Apr1 任務 ======= 里程碑 ◆	•	上離型任物		上期望施度		外部	任務 臣		1988E	商要群组			•						
	Haster Flog (Flag 10-76) ?		E無型型程数 ◇		分割		was	eans 🖫		1 19000	10円	-D								
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財際 住務名 郷	工期	開始與開閉	完成時間	前翼任務	資源名稱		2008年		2009年		2000年		2011年		2012年		2013年	
I Martin		-114-11-1				H2	H)	HS	H1	H2	H1	H2	H1	F2	H1.	H2	HI	
75 Section 4 - Box Culvert at Ping Long	0 days	2009/12/9	2009/12/9			[J '			\$	9/12	1	1	9	1	'	k	
76 Section 4 - Box Culvert (Area A)	0 days	2009/12/9	2009/12/9			[]]	3000		1	♦	9/12	<u></u>	1	9	1	/		100
77 Completion of Work at Section 4	O days	2009/12/9	2009/12/9			1	1 - 1			•	9/12		1	· ·	1	'	·	
78				1	1	Ι	7000					<u>.</u>			·	·		<u></u>
79 Section 5 - Landscape Establishemnt Works (Portion B, C, D	E. F. (1951 days?	2007/9/28	2013/7/4									0-1-0-			·			TY-
Section 5 Lendscape Works	1665 days	2007/9/28	2012/7/28			1 1								2-4-4		Щ.,	Sec. 1.	4÷-
S1 Commencement of Works	1 day	2000/9/28	2007/9/28			1	,								!			43 -
2 Material Submission	120 days	2007/9/29	2008/1/20	1981			34 11		T								I-	1
Submission Approval	0 days	2008/2/9	2008/2/9	1982FS+14 days		T - T	♦ 9/2	,	T .		1				: 		I	ļ.,
4 Landscaping Hardworks	1541 days?	2007/11/9	2012/4/19)		1 1 1				===					-			
5 Lindscaping Softworks	365 days	20/17/28	2012/4/18		1	1-1	7		7 7 7									٠
16 Submission of Tire Survey	400 days	2007/9/29	2008/11/1	1981	1	t Œ		3336					-,		*	Louise	Jn_n_	- L
7 Preservation and Protection of Preserved Trees	1550 days	2008/11/2	2013/7/4	1986	1			E:						7				聽) -
S Landscape Bushiishment Works	1550 days	2008/11/2	2013/7/9	1986		†		. E										14.
89 Completion of Works	0 days	2013/7/4	2013/7/8	1987,1988	İ	1							-1				. i	. 🕈 🖠
90					i	t	3						-1		4		l	
Section 6 - Landscape Establishemnt Works (Portion J, K &	M) 1701 days?	2007/9/28	2012/9/8		1	† 🅶		_			_	-		_		· .	t	
2 Section 6 Landscape Bestablished in Works Or Gradual 7, 25 cc.	1665 days	2007/9/28	2012/7/21		†	t Te						•		1		Ξ	S	1 1
3 Contrasperated of Works	1 day	2007/9/28	2007/9/21			1-6	,						1	41	1		Č.	11.
4 Material Submission	120 days	2007/9/29	2008/1/25			十二十二	- 19 T						1	9	1		0.01]] .
Submission Approval	0 days	2008/2/9		1994FS+14 days	-	† - †*	9/2		:				1	ń.		,		33.
6 Landscuping Hardworks	1161 days?	2006/11/23	2012/019			t - l-	7 T 2"-				-					,	1	13.
77 Landscaping Softworks	365 days	2011/1/29	2012/4/19			t - t-		,e	-		1		7 6 7 7 7			,	7] []
E Submission of Tree Survey	400 days	2007/9/29	2008/11/2			ተ - ሎ:	*****	3171	: :					11		,	("	٦٠.
9 Preservation and Protection of Preserved Trees	1300 days	2008/11/2	2012/90		 	† - ^c =-		H		-9-9-9	-2-2-2-	3-3-3		3.55		±356	1 -] [
Intervision and Proceedings Processed Lines Landscape Establishment Works	1300 days	2008/11/2	2012/9/1		ļ	 	i,	1	5,5,5,5	9-9-9		9-8-8				34.	6 -	17.
	0 days	2012/9/8		1999,2000		+	j,	5-	7					-	7	- ♦ ε/	9:	111
	0 4033	2012/00	2012/201	127792000		t	3				1	r	7	0.0	7	,		77.
10	P) 1701 days?	2007/9/28	2012/9/8	ļ		† -								البداء ان		_		77.
Section 7 - Landscape Establishemnt Works (Portion L., N & Section 7 Landscape Works)	P) 1761 days:	2007/9/28	2012/7/21		ļ	1.5			diam't a desired	and a second	and the state of the state of	-				1		
		2007/9/28	2007/9/28			+ -150			****			-	- de-	Annan	بميسيم	der		- " '
5 Commencement of Works	1 day		2008/1/26	A		} - No.			r		ı -		-1	ing	7		· :	
6 Material Submission	120 days	2007/9/29			ļ	ի -Կ - -	- 1		+		ı	+	-;	14				1 * '
Substitution Approval	0 days	2008/2/9		2006PS+14 days	ļ	4 - F	¬ ₹ 9/2 -	p-			·			وووالجا	****			1 - 1
8 Landscaping Hardworks	1176 days?	2008/11/8	2012/4/15			∔ - ⊦	4	5	•••••			••••	** p	9-5-0		-'	- la -	1.
6 Landscaping Softworks	365 days	2011/1/29				ļ-‱	4		L	/		·	-1 550	9-9-9	0-0-4	-'		1 4
0 Submission of Tree Survey	400 days	2007/9/29	2008/11/2			ļ. 160		a-a-k	ومعوموط		Jan	بعيعيط	ورورواه	4.00	4.0.0.			1 -
Preservation and Protection of Preserved Tiees	1300 days	2003/11/2	2012/9/			ļ	J = -1	' #		menene		****	-	NAME OF	*****		- 5 - 1	16:
2 Landscape Establishment Works	1300 days	2008/11/2	2012/9/5		į	1	J = = = 1	· E						.3.:.:			: l	1::
13 Completion of Works	0 days	2012/9/8	2012/9/1	2011,2012		ļ	J=-12		1	!	(<u>-</u>	-1	2	1		? (16.
[4]					ļ	↓ 	1				<u> </u>	<u> </u>		11	1	<u> </u>	٠	اخله
Section 8 - All Remaining Work at All Portions	1950 days	2007/9/28	2013/7/3			1 - 1	7		1		T				÷		· ;1	- Y
16 Commescement of Works	1 day	2007/9/28	2007/9/28			1 .1.	1	·						جيدانا	4-2-2-	<u> </u>		4-1
(7 All remaining works at all Area	1950 days	2007/9/28	2013/7/			1.63												1
18 Completion of Warks	0 days	2013/6/7	2013/6/7	2,555,1174,1177			1	L	l .	,	1		1	.,			: (110

Revised Master Prog (Aug10-Apr1 日版: 2011/1/26	任将 座炭	里程時 換要	-	上類型里程器 上類型里程器	 	上類型進度 分割		外部任務 專案換要	擁要群組 捌取			_
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Chiu Hing Construction & Transportation Co., Ltd	DC/2007/06
•	River improvement works in Upper Tai Po River
	Thirty-seventh Monthly Report

Appendix J: Complaint Investigation Reports and Log

豐盛創建機電集團附屬公司 Subsidiary of FSE Engg Group 豐盛創建企業成員 Member of Fung Seng Enterprises

Our ref. no.: DC0706-CL-110909(EPD)

16th September 2011

To: Distribution List

Dear Sirs or Madams,

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

Complaint Investigation Report and Log

Based on the complaint incident received from EPD with details of:

EPD complaint ref.:

EP3/N05/RN/00018630-11

Date received:

09/09/2011

Incident location:

Sha Po Tsai Village, Upper Tai Po River, Tai Po

Description:

Complaint against noise and dust nuisance arisen from rock breaking which carried out near Sha Po Tsai Village during public holiday and Sundays.

Enclosed please find the complaint investigation reports and log sheets of the incident as for your record.

Yours faithfully,

Goldie Fung ET leader

Environmental Pioneers and Solutions Limited

c.c. SRE/Maunsell (Mr. Colin Cheng)

RE/Maunsell (Mr. Adrian Ng)

IEC/ERM (Mr. Roger Leung)

Chiu Hing Project Manager (Mr. Samson Lam)

Chiu Hing Site Agent (Mr. Terence Li)

Chiu Hing Environmental Officer (Mr. Pui-Shing Chan)

DS	DSD Project - River Improvement Works in Upper Lam Tsuen River, She Shan River and Upper Tai Po River				
	port for Complaint/ Concern ir Ref.: DC0706-CL-110909(EPD)				
EP	D Case Ref. No.: EP3/N05/RN/ 00018630-11				
She	eet: <u>1</u> of <u>2</u>				
RE	CIPIENT				
	me: Chiu Hing Construction & Transportation Co., Ltd, tails: Complaint was referred by EPD that a resident complained against noise and dust nuisance arisen from rock breaking which carried out near Sha Po Tsai Village during public holiday and Sundays at Upper Tai Po River (UTPR).				
Re	ceived Date: _9 th September 2011 Received Time: N/A				
CC	MPLAINANT / Concern				
	me: N/A Tel: <u>N/A</u> dress: N/A				
CO	OMPLAINT				
	Noise ☑Air quality/Dust □Water □Odour □Environment □Traffic/Pedestrian Safety □Others				
Ev	ent Date and Time: Sundays and public holidays				
Lo	cation: Sha Po Tsai Village, Upper Tai Po River, Tai Po.				
IN	VESTIGATION RESULTS, RECOMMENDATIONS & MITIGATION MEASURES				
1.	A complaint on 9 th September 2011 was recorded regarding noise and dust nuisance arisen from rock breaking which carried out near Sha Po Tsai Village during public holiday and Sundays at UTPR. Environmental Team (ET) was informed by email on the same day by the Residential Engineer (RE).				
2.	As reported by Residential Engineer (RE) and Contractor, there was no construction activity regarding rock breaking was carried out and recorded.				
3.	ET reviewed the routine noise monitoring results recorded on 2^{nd} and 9^{th} September 2011 and no exceedance of limit level (i.e.: >75 dB) was found for all measurements.				
4.	Site investigation was held on 14 th September 2011 with the representatives of Contractor to resolve the concerns.				
5.	During investigation, rock breaking was being carried out by an excavator-mounted breaker at approximate ch.50. Due to size of boulders to be broken and difficulty of transportation, as reported by Contractor boulder breaking activities were confined within the abovementioned location.				
6.	Liaison with local villagers has been made for explanation of current site situation and implementation status of relevant noise mitigation measures.				

7. Inefficient water spraying during rock breaking by worker as air quality mitigation measure was observed. Also,

the breaking tip was enclosed by sound insulating material and noise barriers at the side facing the construction site of Sha Po Tsai Village were set up by Contractor as noise mitigation measures. As reported by Contractor, the rock breaking work has been moved to area which more far away from noise sensitive receivers nearby to minimise the noise and dust impact. (Fig 7.1 & 7.2)

- 8. To minimize noise and dust generation from the concerned activities, The following recommendations has been given to the Contractor:
 - Existing noise barriers should be well-maintained.
 - Tips of hydraulic breakers should be warped up with sound insulation material to minimize noise generation.
 - Noisy activities should be well scheduled, by means such as rotation and time buffering, to avoid consecutive / excessive exposure of nearby sensitive receivers to high levels of construction noise.
 - Noisy activities should be site away from the noise sensitive receivers whenever it is practicable.
 - Proper water spraying should be provided for site activities which were known to be main sources of dust emission, such as excavation and boulder breaking.
- 9. Contractor was reminded to maintain proper practices and noise and dust mitigation measures, such as the administrative planning and public liaison, to minimize adverse impact to the vicinity sensitive receivers. Other noise minimization features by means of insulation or screening should be regularly reviewed and maintained to ensure they are in good condition and functional.
- Contractor was also reminded that "emergency works during restricted hours" shall be applied from EPD if construction works during night time or public holiday and Sundays are necessary.
- ET has reminded the contractor to pay serious attention on not arising possible environmental impacts in the future.

Signature:

Goldie Fung Shuk Ting, ET Leader

Date: 16-09-2011

Fig 7.1 – During site investigation, water spraying was provided and the breaker Tips of Hydraulic Breaker was warped up with noise insulation material



Fig 7.2 - During site investigation, noise barriers were set up near Sha Po Tsai Village



COMPLAINT / CONCERN LOG

Ref: DC0706-CL-110909 (EPD)

Log Ref	Event Date/Location	Complainant/ Date of Contact	Details of Complaint		Investigation/Mitigation Action	File Closed
Our REF: DC0706-CL- 110909(EPD) EPD Case Ref. No.: EP3/N05/RN/ 00018630-11	Public holiday and Sunday Project site at Sha Po Tsai Village, Upper Tai Po River, Tai Po	A Complaint was referred by EPD on 9 th September 2011	A complaint was recorded for noise and dust nuisance arisen from rock breaking which carried out near Sha Po Tsai Village during public holiday and Sundays at Upper Tai Po River (UTPR).	2.	A complaint on 9th September 2011 was recorded regarding noise and dust nuisance arisen from rock breaking which carried out near Sha Po Tsai Village during public holiday and Sundays at UTPR. Environmental Team (ET) was informed by email on the same day by the Residential Engineer (RE). As reported by Residential Engineer (RE) and Contractor, there was no construction activity regarding rock breaking was carried out and recorded.	Yes
				3.		1
				4.	Site investigation was held on 14th September 2011 with the representatives of Contractor to resolve the concerns.	
				5.	During investigation, rock breaking was being carried out by an excavator-mounted breaker at approximate ch.50. Due to size of boulders to be broken and difficulty of transportation, as reported by Contractor boulder breaking activities were confined within the abovementioned location.	
				6.	Liaison with local villagers has been made for	

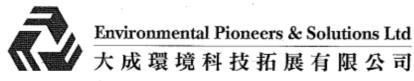
explanation of current site situation and implementation status of relevant noise mitigation measures. 7. Inefficient water spraying during rock breaking by
worker as air quality mitigation measure was observed. Also, the breaking tip was enclosed by sound insulating material and noise barriers at the side facing the construction site of Sha Po Tsai Village were set up by Contractor as noise mitigation measures. As reported by Contractor, the rock breaking work has been moved to area which more far away from noise sensitive receivers nearby to minimise the noise and dust impact. (Fig 7.1 & 7.2)
8. To minimize noise and dust generation from the concerned activities, The following recommendations has been given to the Contractor: i. Existing noise barriers should be well-maintained. ii. Tips of hydraulic breakers should be warped up with sound insulation material to minimize noise generation. iii. Noisy activities should be well scheduled, by means such as rotation and time buffering, to avoid consecutive / excessive exposure of nearby sensitive
receivers to high levels of construction noise. iv. Noisy activities should be site away from the noise sensitive receivers whenever it is practicable. v. Proper water spraying should be provided for site activities which were

	known to be main sources of dust	
	emission, such as excavation and boulder	ļ
	breaking.	
	9. Contractor was reminded to maintain proper practices and noise and dust mitigation measures, such as the administrative planning and public liaison, to minimize adverse impact to the vicinity sensitive receivers. Other noise minimization features by means of insulation or screening should be regularly reviewed and maintained to ensure they are in good condition and functional.	
	Contractor was also reminded that "emergency works during restricted hours" shall be applied from EPD if construction works during night time or public holiday and Sundays are necessary.	
	 ET has reminded the contractor to pay serious attention on not arising possible environmental impacts in the future. 	

Filed by Environmental Team Leader:

GLONDIE PLANS

Date: 16th September 2011



豐盛創建機電集團附屬公司 Subsidiary of FSE Engg Group 豐盛創建企業成員 Member of Fung Seng Enterprises

Our ref. no.: DC0706-CL-1100915(EPD)

22nd September 2011

To: Distribution List

Dear Sirs or Madams,

Contract No. DC/2007/06

Drainage Improvement works in Upper Tai Po River, Lam Tsuen River and She Shan River

Complaint Investigation Report and Log

Based on the complaint incident received from EPD with details of:

EPD complaint ref.:

EP3/N05/RN/00018630-11

Date received:

15th September 2011

Incident location:

Upper Tai Po River, nearby Sheung Wun Yiu

Description:

Complaint was referred by EPD regarding the repeated complaint on

dust nuisance arising from rock breaking activity at Upper Tai Po River

(UTPR), nearby Sha Po Tsai village.

Enclosed please find the complaint investigation report and log sheets of the incident as for your record.

Yours faithfully,

Goldie Fung

ET leader

Environmental Pioneers and Solutions Limited

c.c. SRE/Maunsell (Mr. Colin Cheng)

RE/Maunsell (Mr. Adrian Ng)

IEC/ERM (Ms. Winnie Ko)

Chiu Hing Project Manager (Mr. Samson Lam)

Chiu Hing Site Agent (Mr. Daniel Tai)

Chiu Hing Environmental Officer (Mr. Pui-Shing Chan)

Flat A, 19/F Chai Wan Industrial Centre, 20 Lee Chung Street, Chai Wan, Hong Kong 香港樂灣利眾街 20 號樂灣工業中心 19 字樓 A 座

Tel: (852) 2556 9172 Fax: (852) 2856 2010 http://www.epsl.com.hk



DS	D Project - River Improvement Works in Upper Lam Tsuen River, She Shan River and Upper Tai Po River						
	port for Complaint/ Concern ar Ref.: DC0706-CL-1100915(EPD)						
	EPD complaint ref.: EP3/N05/RN/00018630-11						
She	eet: <u>1</u> of <u>2</u>						
RE	CIPIENT						
	me: Chiu Hing Construction & Transportation Co., Ltd, tails: Complaint was referred by EPD regarding the repeated complaint on dust nuisance arising from rock breaking activity at Upper Tai Po River (UTPR), nearby Sha Po Tsai village.						
Re	ceived Date: 15th September 2011 Received Time: N/A						
CC	DMPLAINANT / Concern						
	me: N/A Tel: N/A						
	OMPLAINT						
	Noise ☑Air quality/Dust □Water □Odour □Environment □Traffic/Pedestrian Safety □Others						
	ent Date and Time: 14 th September 2011 cation: Upper Tai Po River, nearby Sha Po Tsai village						
IN	VESTIGATION RESULTS, RECOMMENDATIONS & MITIGATION MEASURES						
1.	A complaint on 15 th September 2011 was recorded regarding the repeated complaint on dust nuisance arising from rock breaking at UTPR, nearby Sha Po Tsai. Environmental Team (ET) was informed by email on 15 th September 2011 by the Residential Engineer (RE).						
2.	According to details provided by the complainant, dust pollution was still generated from rock breaking activity.						
3.	 As reported by Contractor, the following mitigation measures were implemented immediately after the receipt of the complaint: A frontline staff was assigned to station at the rock breaking area. Water spraying was applied during the rock breaking activity. Rock breaking activity are carried out in rock breaking zone which away from the sensitive receivers. 						
4.	ET has conducted a site investigation on 19^{th} September 2011 with representatives from Contractor to resolve the concern.						
5.	During the investigation, it was observed that the rock breaking activity was carried out inside the rock breaking zone and a frontline staff was assigned to provide water spraying for the public area at rock breaking zone (Fig.5.1). After the implementation of mitigation measures, dust emission was still observed during the rock breaking (Fig.5.2).						
6.	To minimize dust generation from the concerned activities, The following recommendations has been given to the Contractor: - Water spraying funnel shall be mounted on the breaker tip or sprinkler system shall be installed for effective dust suppression - Temporary barriers shall be erected along the boundary of rock breaking zone						

- Sufficient water spraying shall be continuously applied on the surface where any site activities such as mechanical breaking operation that caused dust emission is carried out.
- Spray the working area with water before, during and immediately after the operation to maintain entire surface wet.
- Monitor performance by recording frequency of application and review its effectiveness
- Briefing to frontline staffs about prevention of dust generation, especially of issue of rock breaking.
- Contractor was reminded to maintain proper practices and dust suppression measures to minimize dust pollution to the surrounding environment.
- ET has reminded the contractor to pay serious attention to prevent causing possible environmental impacts in the future.

Signature:

Goldie Fung, ET Leader

Date: 22-09-2011

Fig.5.1 – Water spraying was provided during rock breaking.



Fig.5.2 - Dust emission was still observed during the rock breaking activity.



COMPLAINT / CONCERN LOG

Ref: DC0706-CL-110915(EPD)

				·	KelDC0700-CL-1	
Log Ref	Event	Complainant/	Details of Complaint		Investigation/Mitigation Action	File
	Date/Location	Date of Contact				Closed
Our REF: DC0706-CL-1 100915(EPD) EPD complaint ref.: EP3/N05/RN/0 0018630-11	14 th September 2011, Project site at Upper Tai Po River, nearby Sha Po Tsai village	A Complaint was referred by EPD on 15 th September 2011	Complaint was referred by EPD regarding the repeated complaint on dust nuisance arising from rock breaking activity at Upper Tai Po River (UTPR), nearby Sha Po Tsai village.	2.	A complaint on 15 th September 2011 was recorded regarding the repeated complaint on dust nuisance arising from rock breaking at UTPR, nearby Sha Po Tsai. Environmental Team (ET) was informed by email on 15 th September 2011 by the Residential Engineer (RE). According to details provided by the complainant, dust pollution was still generated from rock breaking activity.	Yes
				3.	As reported by Contractor, the following mitigation measures were implemented immediately after the receipt of the complaint: i. A frontline staff was assigned to station at the rock breaking area. Water spraying was applied during the rock breaking activity. ii. Rock breaking activity are carried out in rock breaking zone which away from the sensitive receivers.	
				4.	ET has conducted a site investigation on 19 th September 2011 with representatives from Contractor to resolve the concern.	
				5.	During the investigation, it was observed that the rock breaking activity was carried out inside the rock breaking zone and a frontline staff was assigned to provide water spraying for the public area at rock breaking zone. After the implementation of mitigation measures, dust emission was still	

observed during the rock breaking. 6. To minimize dust generation from the concerned activities, The following recommendations has been given to the Contractor: i. Water spraying funnel shall be mounted on the breaker tip or sprinkler system shall be installed for effective dust suppression ii. Temporary barriers shall be erected along the boundary of rock breaking zone iii. Sufficient water spraying shall be continuously applied on the surface where any site activities such as mechanical breaking operation that caused dust emission is carried out. iv. Spray the working area with water before, during and immediately after the operation to maintain entire surface wet. v. Monitor performance by recording frequency of application and review its effectiveness vi. Briefing to frontline staffs about prevention of dust generation, especially of issue of rock
7. Contractor was reminded to maintain proper practices and dust suppression measures to minimize dust pollution to the surrounding environment. 8. ET has reminded the contractor to pay serious attention to prevent causing possible environmental impacts in the future.

Filed by Environmental Team Leader:

