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 August 2011

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DC/2007/06 River improvement works in Upper Tai Po River Thirty-sixth Monthly Report

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Executive summary

This is the thirty-sixth 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 August 2011 to 31st August 2011. Provision of temporary protection measures for wet season was the major site activity 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 under preparation and the report will be provided in the 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 and 2nd phases of capture survey were proposed to be carried out on 1st September 2011 and 6th and 7th October 2011 respectively. The summary of ecological site inspection findings and implementation status of environmental protection and mitigation for ecology, prepared by the Ecologist, are provided in table 6.2 and Appendix G respectively.

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

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

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

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

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

There was no reporting change for this month.

The construction activities for the next reporting period are gabion construction, retaining wall construction and rock breaking outside the river channel. In accordance with the contractual requirement, no excavation work within river channel is allowed to be carried out during wet season.

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

Since construction works will be resumed in next reporting month, Contractor was reminded to implement all environmental mitigation measures and requirements stated in the EP, EM&A Manual and the Environmental Management Plan, to ensure no violation of statutory requirements and to maintain a satisfactory environmental performance during the construction works.

1.0 Introduction

This is the thirty-sixth 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 August 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.

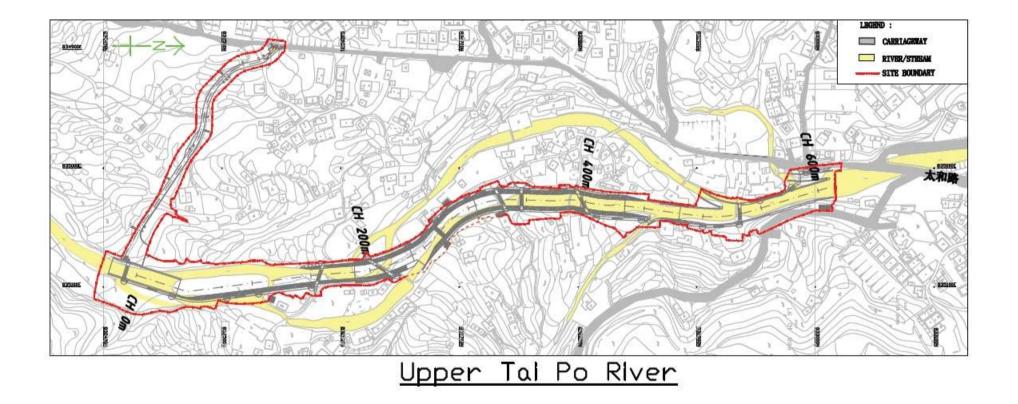
2.3 Proposed construction sequences

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) Re-provisioning of footbridges
- (5) Construction of footpaths
- (6) Landscaping works

DC/2007/06 River improvement works in Upper Tai Po River Thirty-sixth Monthly Report

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.) Provision of temporary protection measures for wet season

2.5 Construction activities for the next reporting period

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

- 1) Gabion construction
- 2) Retaining wall construction
- 3) Rock breaking outside the river channel

2.6 Exceedance with the environmental performance limits

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

2.7 Summary of complaints

No formal complaint in relation to environmental issues was received in this reporting month. Totally seventeen 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 under preparation and the report will be provided in the 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.

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

 TABLE 4.1 Description of Noise Sensitive Receivers

Noise monitoring was carried out by the Environmental Team on weekly basis for this reporting month. The scheduled monitoring dates were 5^{th} , 12^{th} , 19^{th} and 26^{th} August 2011. Measured $L_{eq (30min)}$ results ranged from 46.6dB(A) to 68.8dB(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 3rd, 10th, 17th, 23rd and 31st August 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, 8th, 15th, 22nd, 29th and 31st August 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 1^{st} and 2^{nd} phases of capture survey were proposed to be carried out on 1^{st} September 2011 and 6^{th} and 7^{th} October 2011 respectively.

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
22 Jun 11	No proper fencing for the tree B274D was observed at ch.0 of UTPR.	Observation	Contractor was reminded to rectify the discrepancy as soon as possible.	Proper fencing was provided by Contractor for the tree B274D at ch.0 of UTPR for prevention of any possible damage.	3 Aug 11	
21 Jul 11	General refuse, construction waste and construction material were observed to be near the trees at approximate ch.400.	Observation	The Contractor was reminded to remove these materials and to implement good housekeeping practices. Also Contractor was reminded to protect the trees inside the Site from any possible causes of damage.	To be followed during the next reporting period.	Ongoing	
27 Jul 11	The Environmental Permit (EP) was missing at the Site entrance of UTPR	Observation	Contractor was urged to display the EP as soon as possible.	The Environmental Permit (EP) copies were displayed at the Site entrance of UTPR.	17 Aug 11	
3 Aug 11	Accumulated water was observed inside the construction holes along UTPR.	Observation	Contractor was recommended to remove the stagnant water as soon as possible to prevent mosquito breeding.	To be followed during the next reporting period.	Ongoing	
10 Aug 11	No particular observation	N/A	N/A	N/A	N/A	
17 Aug 11	Stagnant water and	Observation	Contractor was advised to	The concerned pit at ch.600	31 Aug 11	

Table 6.1 Summary results of site inspections findings

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
	mosquito breeding were observed inside a pit at approximate ch.600 of UTPR.		remove the stagnant water as soon as possible and cover the pit with sand to prevent water accumulation and mosquito breeding.	of UTPR was filled with sand to prevent water accumulation and mosquito breeding (Fig 1). No stagnant water inside the pit was observed.		
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.	To be followed during the next reporting period.	Ongoing	
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.	To be followed during the next reporting period.	Ongoing	
23 Aug 11	Fuel containers without drip tray were observed at ch.0 of UTPR	Observation	The Contractor was reminded to provide drip tray for the containers to prevent oil leakage.	To be followed during the next reporting period.	Ongoing	
31 Aug 11	A broken water filled barrier was observed at approximate ch.600, which potentially causing mosquito breeding.	Observation	Contractor was recommended to replace or repair the broken water horse.	Contractor covered the hole with cotton tape immediately to prevent mosquito breeding.	31 Aug 11	

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

Table 6.2 Su	Table 6.2 Summary results of ecological site inspection findings									
Date	Observations	Advice from	Action Taken	Closing						
		Ecologist		Date						
01 August	No Major findings for this	No Advice is	No Action is required to	N/A						
2011	inspection	required	be taken							
08 August	No Major findings for this	No Advice is	No Action is required to	N/A						
2011	inspection	required	be taken							
15 August	No Major findings for this	No Advice is	No Action is required to	N/A						
2011	inspection	required	be taken							
22 August	No Major findings for this	No Advice is	No Action is required to	N/A						
2011	inspection	required	be taken							
29 August	No Major findings for this	No Advice is	No Action is required to	N/A						
2011	inspection	required	be taken							
31 August	No Major findings for this	No Advice is	No Action is required to	N/A						
2011	inspection	required	be taken							

6.2 Non-compliance

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

6.3 Recommendations

Contractor was recommended to implement protective measures to the preserved trees to prevent any damages arisen from construction activities. The Contractor shall erect temporary protective fencing around the preserved trees to protect the whole area within the spread of the tree's crown. Contractor was also reminded that no construction works and stockpiling within the fencing area are allowed.

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.

As it is still wet season and rainfall is expected for the next reporting month, specific precautions and actions concerned with rainstorms shall be taken. Contractor was reminded to minimize exposed soil surface and open stockpiles of construction materials by covering of tarpaulin or geo-textile to reduce the potential of soil erosion and contamination of runoff. Contractor was also reminded to remove stagnant water on site regularly to prevent mosquito breeding.

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 and therefore no inert waste was disposed from the project.

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

Type of waste	Amount generated	Amount reused	Amount disposed
Inert waste	0	0	0
Non-inert waste	0	0	0
Chemical waste	0	N/A	0

Table 7.1 Summary of Waste generated and disposed in August 2011

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.

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				

 Table 8.1 Summary of Environmental Licensing and Permit Status

9.0 Future key issues

The construction activities for the next reporting period are gabion construction, retaining wall construction and rock breaking outside the river channel. According to the contractual requirement, no excavation work within river channel is allowed in wet season.

Since construction works will be resumed in next reporting month, Contractor was reminded to implement all environmental mitigation measures and requirements stated in the EP, EM&A Manual and the Environmental Management Plan, to ensure no violation of statutory requirements and to maintain a satisfactory environmental performance during the construction works.

Contractor was reminded to provide regular water spraying to dusty static area for dust suppression. Excessive storage of stockpile and exposed of earth surfaces should be prevented to minimize air quality impact arisen by wind erosion. Contractor was 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.

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.

As it is still wet season and rainfall is expected for the next reporting month, specific precautions and actions concerned with rainstorms shall be taken. Contractor was reminded to minimize exposed soil surface and open stockpiles of construction materials by covering of tarpaulin or geo-textile to reduce the potential of soil erosion and contamination of runoff. Contractor was also reminded to remove stagnant water on site to prevent mosquito breeding.

10.0 Conclusion

Provision of temporary protection measures for wet season was the major site activity carried out by the Contractor 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 21^{st} July 2011 by the Ecologist Dr. Mark Shea. The ecological impact monitoring report prepared by the Ecologist is under preparation and the report will be provided in the 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 1^{st} and 2^{nd} phases of capture survey were proposed to be carried out on 1^{st} September 2011 and 6^{th} and 7^{th} October 2011 respectively.

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

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

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

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.

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

APPENDIX TABLE 1 Event / Action plan table for Ecology

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 of
other days	complaint is	Noise Control
	received	Ordinance
2300 – 0700 hrs of next day		Subject to the control of
		Noise Control
		Ordinance

*Limit level set in accordance with Particular Specification Section 26

Appendix C: Reference standards for vibration

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

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

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

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

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

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

Appendix D: Noise monitoring results, graphical plots and location plan

Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	64.3	65.5	54.9	5-Aug-11	15:00-16:00	N/A	Traffice noise & Background noise	Sunny	Façade
UTP 2	57.2	57.0	47.7	5-Aug-11	15:00-15:30	N/A	Traffice noise & Background noise	Sunny	Façade
UTP 3	62.4	62.9	62.0	5-Aug-11	14:30-15:00	N/A	Background noise	Sunny	Façade
UTP 4	53.8	54.6	52.2	5-Aug-11	14:00-14:30	N/A	Background noise	Sunny	Façade
UTP 5	54.6	55.4	53.1	5-Aug-11	13:30-14:00	N/A	Background noise	Sunny	Façade
UTP 6	52.1	53.5	49.2	5-Aug-11	10:15-10:45	N/A	Background noise & Public noise	Sunny	Façade
UTP 7	52.6	53.2	48.7	5-Aug-11	11:00-11:30	N/A	Background noise & Public noise	Sunny	Façade
UTP 8	58.0	58.8	57.1	5-Aug-11	11:30-12:00	N/A	Background noise	Sunny	Façade
UTP 9	55.2	55.8	54.2	5-Aug-11	12:00-12:30	N/A	Background noise	Sunny	Façade
UTP 10	47.5	49.1	40.4	5-Aug-11	9:45-10:15	N/A	Background noise	Sunny	Façade
UTP 11	53.8	52.9	48.5	5-Aug-11	9:15-9:45	N/A	Background noise	Sunny	*Free field

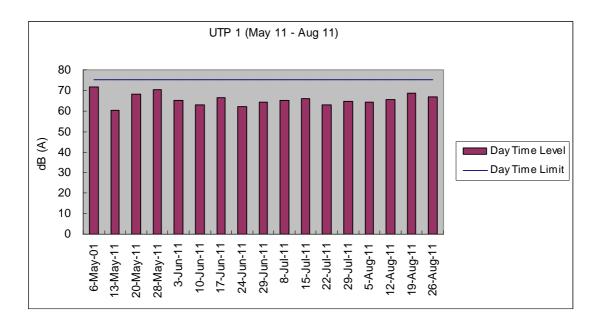
Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	65.7	66.1	54.8	12-Aug-11	15:39-16:09	N/A	Traffice noise & Background noise	Sunny	Façade
UTP 2	54.5	55.0	48.8	12-Aug-11	15:06-15:36	N/A	Traffice noise & Background noise	Sunny	Façade
UTP 3	62.7	63.5	62.0	12-Aug-11	14:30-15:00	N/A	Background noise	Sunny	Façade
UTP 4	52.1	52.9	50.4	12-Aug-11	13:25-13:50	N/A	Background noise	Sunny	Façade
UTP 5	51.6	51.9	48.6	12-Aug-11	13:57-14:27	N/A	Background noise	Sunny	Façade
UTP 6	55.3	52.7	47.2	12-Aug-11	10:12-10:42	N/A	Background noise	Sunny	Façade
UTP 7	54.6	54.2	45.9	12-Aug-11	10:43-11:13	N/A	Background noise & public noise	Sunny	Façade
UTP 8	58.7	59.3	57.6	12-Aug-11	11:15-11:45	N/A	Background noise	Sunny	Façade
UTP 9	56.3	56.8	55.0	12-Aug-11	11:45-12:15	N/A	Background noise	Sunny	Façade
UTP 10	60.9	63.3	42.3	12-Aug-11	9:36-10:06	N/A	Background noise & raining	Sunny	Façade
UTP 11	54.6	57.0	50.2	12-Aug-11	9:03-9:33	N/A	Background noise	Sunny	*Free field

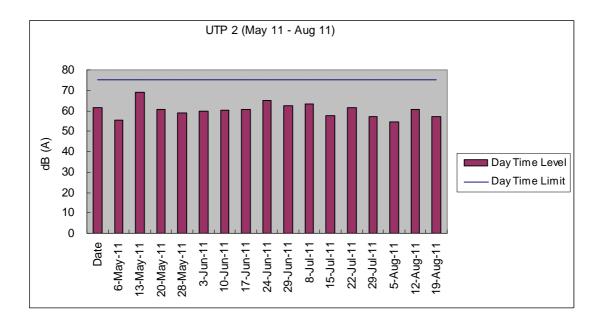
Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	68.8	66.1	55.3	19-Aug-11	15:36-16:06	N/A	Traffice noise & Background noise	Sunny	Façade
UTP 2	60.7	57.9	47.2	19-Aug-11	15:02-15:32	N/A	Traffice noise & Background noise	Sunny	Façade
UTP 3	62.1	63.4	62.0	19-Aug-11	16:10-16:40	N/A	Background noise	Sunny	Façade
UTP 4	59.8	58.0	50.3	19-Aug-11	13:53-14:23	N/A	Background noise & Public noise	Sunny	Façade
UTP 5	60.8	56.2	49.4	19-Aug-11	14:23-14:53	N/A	Background noise & Public noise	Cloudy	Façade
UTP 6	60.5	60.6	48.0	19-Aug-11	10:30-11:00	N/A	Background noise & Public noise	Cloudy	Façade
UTP 7	61.4	64.9	46.0	19-Aug-11	11:00-11:30	N/A	Background noise & Public noise	Cloudy	Façade
UTP 8	60.8	59.9	57.7	19-Aug-11	11:34-12:04	N/A	Background noise & Public noise	Cloudy	Façade
UTP 9	61.0	61.5	54.5	19-Aug-11	12:05-12:35	N/A	Background noise	Cloudy	Façade
UTP 10	57.9	58.1	40.3	19-Aug-11	9:48-10:18	N/A	Background noise	Sunny	Façade
UTP 11	65.1	64.5	47.4	19-Aug-11	9:17-9:47	N/A	Background noise & Public noise	Sunny	*Free field

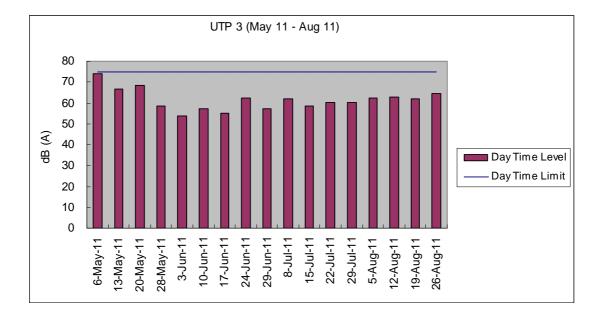
Location	Leq 30min	L ₁₀ 30min	L ₉₀ 30min	Date	Time Duration	Major Construction Noise	Other Noise source	Weather	Location description
UTP 1	66.9	68.7	56.6	26-Aug-11	3:53-4:23	Drilling	Traffice noise , Background noise	Sunny	Façade
UTP 2	57.1	58.7	48.3	26-Aug-11	3:20-3:50	Drilling	Traffice noise , Background noise	Sunny	Façade
UTP 3	64.6	67.5	60.3	26-Aug-11	2:48-3:18	N/A	Background noise	Sunny	Façade
UTP 4	56.4	58.8	49.3	26-Aug-11	13:41-14:11	N/A	Background noise & Public noise	Sunny	Façade
UTP 5	53.9	56.4	49.1	26-Aug-11	2:11-2:41	N/A	Background noise & Public noise	Sunny	Façade
UTP 6	54.5	57.9	43.9	26-Aug-11	10:20-10:50	N/A	Background noise & Public noise	Sunny	Façade
UTP 7	53.2	55.2	43.9	26-Aug-11	10:51-11:21	N/A	Background noise & Public noise	Sunny	Façade
UTP 8	58.3	58.9	57.2	26-Aug-11	11:24-11:54	N/A	Background noise	Sunny	Façade
UTP 9	57.8	60.3	54.1	26-Aug-11	11:53-12:23	N/A	Background noise	Sunny	Façade
UTP 10	46.6	46.0	40.1	26-Aug-11	9:38-10:08	N/A	Background noise	Cloudy	Façade
UTP 11	62.0	63.2	48.1	26-Aug-11	9:06-9:36	N/A	Background noise & Public noise	Cloudy	*Free field

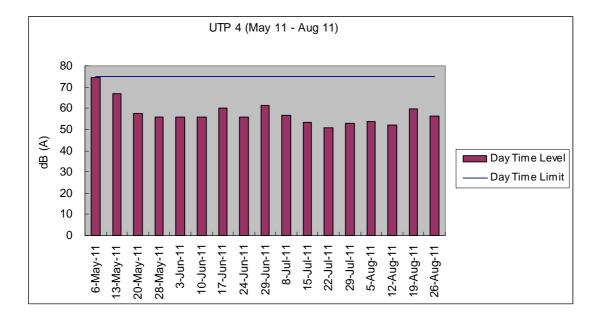
Graphical plot for noise measurements

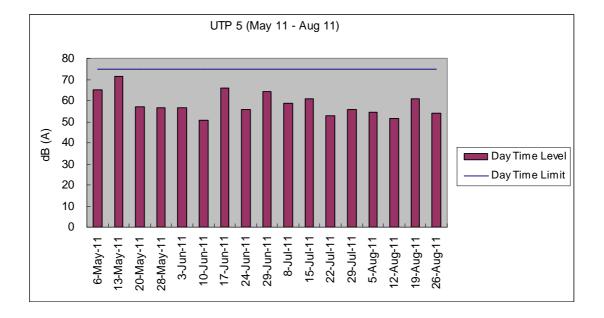
The followings were the graphical plots for the 11 monitoring locations. Each plot showed the date of measurement taken, day time limit of 75 dB(A) as well as the measured daytime level for each location. The graphs contain the data recorded from May 2011 to August 2011.

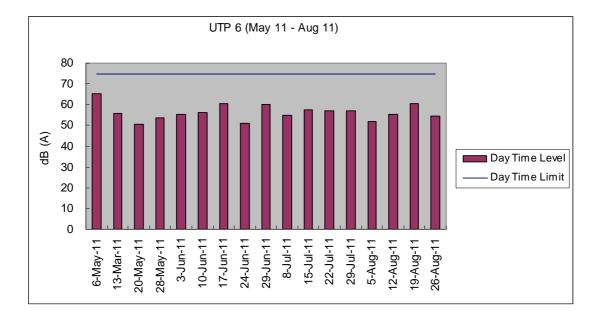


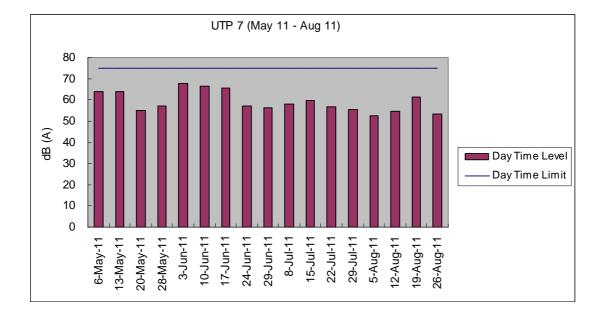


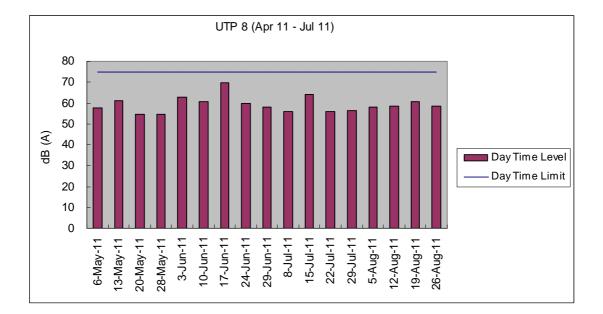


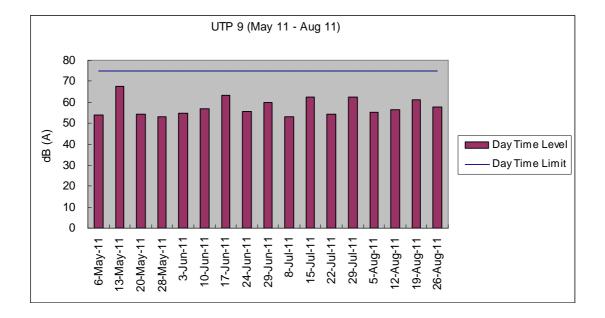


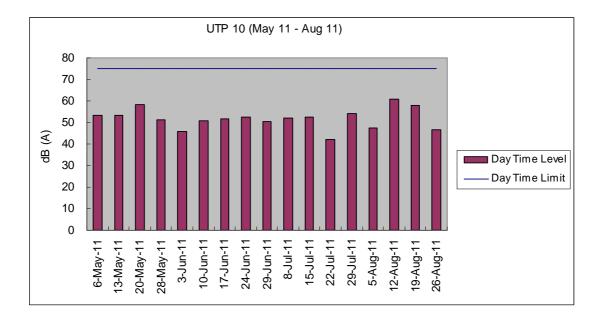


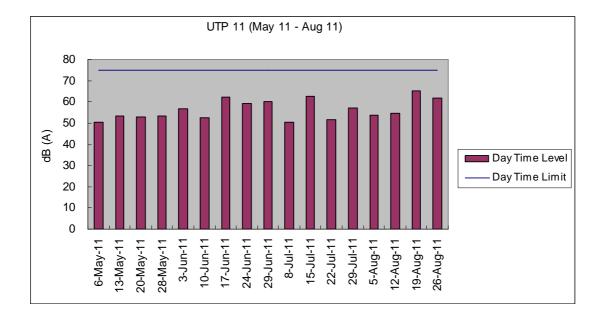




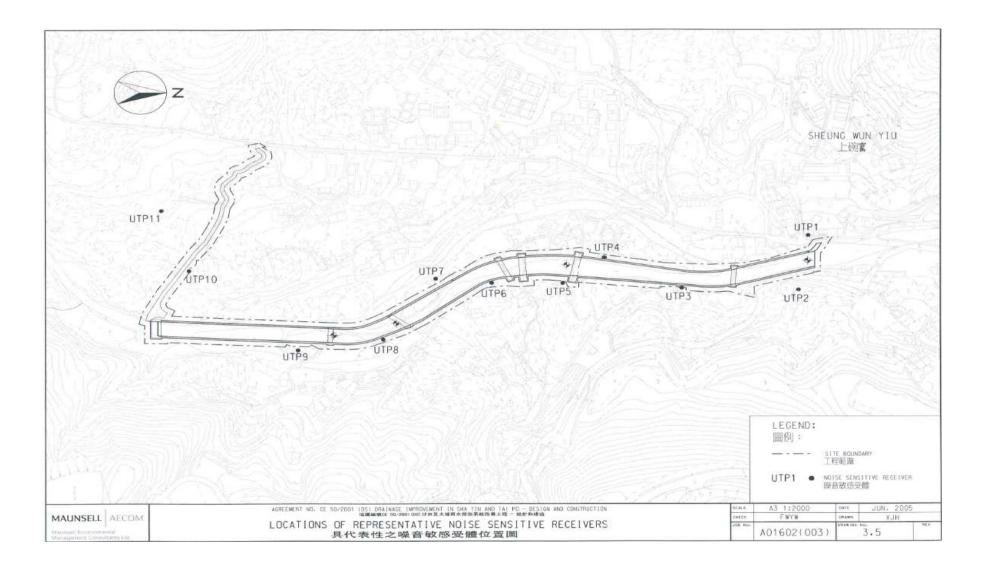








DC/2007/06 River improvement works in Upper Tai Po River Thirty-sixth Monthly Report



Appendix E: Monitoring schedule for the present and next reporting period

Master Schedule of EM&A works in August 2011

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				01/09	02/09	03/09
	Ecological site inspection		Site inspection at afternoon	1 st Capture Survey	Noise Monitoring	
04/09	05/09	06/09	07/09	08/09	09/09	10/09
	Ecological site inspection		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 Ecological site inspection		Noise Monitoring & Ecological site inspection	

Master Schedule of EM&A works in September 2011

Appendix F: Cumulative complaint log

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

Appendix G: Implementation status of environmental protection and mitigation measures

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 require
	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

Implementation status of environmental protection and mitigation

	Provide silt trap and oil interceptor to remove the oil, lubricants, grease, silt, grit and debris from the wastewater before pumped to the public	Implemented	Not required
	storm water drainage system Provide site toilet facilities	Implemented	Not required
Waste Management	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 compaction units	Implemented	Not required
Vibration	Percussive piling is to be replaced by bore-hole piling to minimize vibration impacts to the two identified Declared monuments	Not applicable at this stage	Not required
	Carrying out of vibration monitoring to ensure that vibration associated with the construction phase do not exceed the threshold limit otherwise contractor have to review the work method and construction activities have to be slow down or rescheduled to reduce the impacts	Not applicable at this stage	Not required
	have to be slow down or rescheduled to reduce the impacts Close monitoring and measurement on the cracks of the external wall of Fan Sin Temple during construction works will be carried out. Any changes on the cracks will be recorded for the contractor to slow down the construction activities accordingly; and to review the work methods	Not Applicable at this stage	Not required
	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 along	Not applicable	Not
	the banks of the newly improved drainage channel should		required
	be provided to compensate for the loss of riparian		
	vegetation.		
	Operation phase activities in the improved drainage channel	Not applicable	Not
	would be limited to periodic channel maintenance such as		required
	de-silting.		

Appendix H: Cumulative waste flow table

Type of waste Year 2008 to 2009		Inert Waste		1	Non-Inert Waste	9	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 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
Total	4921.9m ³	4885m ³	36.9m ³	2.390 tonnes	0	2.390 tonnes	20kg	20kg

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

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)

	/ 祥祥 2 縊	工期	開始時間	完成時間	前置任務	資源名得	1	2008年		2009年		2010年		2011年		2012年	an again a sub-strategy and a sub-	2013年	Constant Second
1	任務名稱	1.54	PUDAL STORE	Anilog. A Lot			H2	HI	H2	HI	H2	HI	H2	HI	H2	H1	H2	HI	
1174	Programme of Upper Tai Po River	764 days?	2010/4/1	2012/8/15				1	1	ł	1	1		1	ΨĮ			1	٦.
1175	Wet Season of 2010	214 days	2010/4/1	2010/10/31			+	r		г		1		-1	n	7 T	-,	· ;	<u>17</u>
	Wet Season of 2010 .	149 days	2011/4/1	2011/9/30		-	+			T 7 7 7		1 Land	-,,,, ,	1.1	h	т	-1		11-
1176		42 days?	2010/11/7	2010/12/18			·	-1		e		1	1 T T T T T	1 - b				· :=	A * -
1177	Works Suspended Due to Villager's Rally		2011/1/28	2012/4/19			+			+ :		I	+	تستجها	11	a and a state of the		·	1 • •
1178	Ch 230-350	366 days?		2012/4/19		+	+	4		+		1		· • • •	'# - -	÷ - ¥	-1	- 1	11 * *
1179	Gabion Wall (Ch 230-275 RHS) TG1/TG1A	40 days	2011/1/28			-	+	4		*		1	L		· ·	÷	-1		11 1 -
1183	Retaining Wall (Ch 275-330 RHS) TR1 (replaced by ADI)	183 days?	2011/3/7	2011/10/17		TP2	·	4		L ·	-'	I. - -	L ·	<u>1</u>	14 - T -	+	-'	·	-
1184	Egcavation and Formation	12 days	2011/3/7	2011/3/19				L	·	L	-'	·	1	-'- 🚏 -	9 - I-	1	-1		11
1185	Laying Concrete block and gabion units (Ch275-320 RHS)	12 days	2011/3/21	2011/4/2			+	1	'	L ;	-'	·	111.	🥵 - '	13 - -	1 <u>-</u> -	-'		11
1186	Backfilling	6 days	2011/4/4	20/1/4/11				3		L	2	'	4	1 1 .	'	1			Н÷н
1187	Excavation and Formation	7 days	2011/10/3	2011/10/11				1		1	2224	'	· ·		오 - 뭐~	1 _ ~			
1188	Laying Concrete block and gabion upits (Ch320-330 RHS)	4 days	2011/10/12	2011/10/15			1		'	L	1 1	!	1 - 1 - 1		₩_#	1	-1		H ÷ •
1189	Backfilling	1 day?	2011/10/17	2011/10/17	and the second state of th	.l	L	11.1	5 - L	111.		<u> </u>	· ·	- ¹	··	L			H
1190	Drainage & Footpath (CH 275-320 RHS)	21 days	2011/10/3	2011/10/27			L		'	1	.'	<u>۱</u> .			1 T	<u> </u>			- - -
1191	Construction of drainage & footpath	21 days	2011/10/3	2011/10/27			Ι.	!		!	<u>'</u>	۱ <u> </u>	<u>-</u>	1	·				- - -
1192	Gabion Wall (Ch 315-330 LHS) TG2A	29 days	2011/12/21	2012/1/30			[]	1				·			2 - 1-2	8			14
1193	Remove Concrete Blocks and shotcrete	14 days	2011/12/21	2012/1/	7 1198SS-14 edays	\$	T	1			<u>'</u>	·	· ·		11 - Hê	相			
1194	Excavation and Formation	7 days	2012/1/9	2012/1/10	5 1198		T	7		1		1				<u> </u>]	1
1195	Gabion Wall Construction (Ch 315-330 LHS)	9 days	2012/1/14	2012/1/27	7 1194FS-3 edays	111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u> </u>				1				Ĵ€			
1196	Backfilling	2 days	2012/1/28	2012/1/30	0 1195			ъ				1	r						- ÷ .
1197	Maintainence Staircase (Ch 315 LHS)	4 days	2012/1/4	2012/1/7	1					5 T T T	-,	1			11				
1198	Formwork and concreting	4 days	2012/1/4	2012/1/	1224		+									-1.[11 : .
1199	Drainage & Footpath (Ch 307-330 LHS)	14 days	2012/1/28	2012/2/13	1	1	+	4							11 1		-1		
200	Construction of drainage & footpath	14 days	2012/1/28	2012/2/13	3 1195		t '									11	-1		
201							+			÷							1		
1202	Temp Utility and Pedestrian Diversion at Ch230	195 days	2011/8/1	2012/3/24	1	1 .	+	-!		*				-,	0				
1202	Temp UU diversion near Ch230	52 days	2011/8/1	2011/9/3			t '		1	÷					JE-H	,		1	1]] .
1205	Implementation of Pedestrian diversion Scheme	119 days	2011/11/1	2012/3/2				J		* <u> </u>									17
	Implementation of redesitian diversion scheme.	117 0430	BOTHEDI				+	·	1	L				-!	. T				11:
1205	Demolition of Interim Pootbridge at Ch230	17 days	2011/10/3	2011/10/22	2	TP2A	+			÷ = -; ;		;			11 🖤 i	1 <u>,</u>			117
1206		7 days	2011/10/3	2011/10/1		1140	+		;						Ĥ				117
1207	Construct Temp crossing at Ch230	10 days	2011/10/12	2011/10/22			+					;			i L		-,		11 7 1
1208	Demolition of Interim Footbridge	IV GRAZ	DITION	2011/10/24	1201		· •					<u>;</u>			- T		·		F 7 1
1209			40110.000	2011/11/22		TP2A	+			÷		;			18		-,		1 7 1
1210	Gabion Wall (Ch 230-257 LHS) TG2/TG2A/TG2B	31 days	2011/10/18	2011/10/2		IFAA	+			÷				-i	- T		-,	I	11 7 1
1211	Remove Shotcrete & concrete block	5 days	2011/10/18	2011/10/2						÷			7	-i	- î î î			- e - I	1 7 1
1212	Excavation and Formation	13 days	2011/10/24				+			7		i			R	1	-,		11 7 1
1213	Gabion Wall Construction (Ch 230-257 LHS)	12 days	2011/11/1		4 1212FS-7 edays					÷		i	<u>.</u>		o - 18	17			1 7 .
1214	Backfilling	3 days	2011/11/15	2011/11/1			+					i	r		0 - P	F	-,	- e - l	-
1215	Maintainence Staircase (Ch 242 LHS)	4 days	2011/11/18	2011/11/22		TP2A				·		1	r		o th	fr			
1216	Formwork and concreting	4 days	2011/11/18	2011/11/2			+			- 		i		-1		n	-,		H - ·
1217	Gabion Wall (Ch 257-270 LHS) TG4	15 days	2011/11/16	2011/12/2		TP2A			1			i	•	-;	1-1 - h	F	-1	- 1	- + ·
1218	Remove Concrete Blocks and shotcrete	5 days	2011/11/16	and the later is the second seco	1 1214FS-2 days		L			+		1	+	-1	· • - #8	∳	-1	- 1	- • ·
1219	Excavation and Fonnation	\$ days	2011/11/21		9 1218FS-1 day		1			*		1	±		14 - 14	₩			H + -
1220	Gabion Wall Construction (Ch 257-270 LHS)	4 days	2011/11/26		0 1219FS-3 days		1	4		+		1	L	-i	· a - 📳		-1	- i	4.
1221	Backfilling	2 days	2011/12/1	2011/12/			L	.		± = -		1	1	_1	[<u>nil</u>			4 .
1222	Retaining Wall (Ch 275-315 LHS) TR1 (replaced by AD1)	39 days	2011/12/1	2012/1/18		TP2A		L	·	L		1	L	-'	10 L	P			
1223	Remove Concrete Blocks and shotcrete	5 days	2011/12/1		6 122188			د		L			1		· 🗗	[2		
1224	Excavation and Fonnation	21 days	2011/12/7	2012/1/			111		12 2 2	4		12.2.2	1	212	کا ناف	階	-'	1	4 4
1225	Laying Concrete block and gabion units	21 days	2011/12/14	2012/1/1	0 1224SS+7 edays	1				L	1	1	1	1 - 2 -	12 L 🛛	他		!	1-1-
1226	Backfilling	7 days	2012/1/11	2012/1/1	8 1225	1		1		1		·	1		12 - H	Ub.	-'	1	11 2
1227	Drainage & Footpath (Ch 200-307 LHS)	60 days	2011/11/18	2012/2/	2		1		,		-,	1	1	1		1B	1	1	1
1221	Manage & Pospan (c. 200507 Link)																		
	tester Pres (Aust 0 Aust) 任務 [=========] 里程碑	•	上類型任務 [==]		上類型進度 ■		小 外部	部任務			摘要群组	-							
N heaive	Aaster Prog (Aug10-Apr1 12% Carter August Au	•			分割			彩摘要		AND DECK	期限	. Г							

90 GJUDF 1/11	聖女相	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		20114	<u>~</u>	20	12年		201		
歳別碼 任	- 約名冊		BOXINGIA	2010/02/101	Addres 240	Astron	H2	HI	H2	HI	H2	HI	H2	H		12	H1	H2		HI	
1228	Construction of drainage & footpath (Ch 200-307 LHS)	60 days	2011/11/18	2012/2/2	1214,1226FF+7 e		1	1	4		1	1	1	1	11		2	·		- - -!	4 -
1229	River Bed formation (Ch205-236)	7 days	2011/12/3	2011/12/10		TP2A	t					1		177	- Q				12		<u>.</u> _
1230	River Bed formation (Ch205-236)(From TE03 to Step2)	7 days	2011/12/3	2011/12/10			+		-			1		1	1						<u>.</u> .
1230	Step 2 & Stilling Basin (Ch 236)	20 days	2011/12/12	2012/1/6		1	+					i		·					-	1]]	1.
1232	Construction of Step 2 (Assume Mass Concrete)	10 days	2011/12/12	2011/12/22	1230	a fa calata da Nobel Kalender (Kalender)	t ·				-,			·	- i "	lí í É l				117	1
1232	Construction of Stilling Basin (Assume Precast Conc Blocks)	10 days	2011/12/23	2012/1/			+ - + -			ī ·		1		,		ILE				117	ī -
1233	Construction of Stitling Data (Assume Precast Cold Dicks) Cascado (Ch 275)	21 days	2012/1/4	2012/1/31	1	TP2A	+ •			î		1		·	- 61		r			117	ī -
1234	River Bod formation (Ch236-275)	7 days	2012/1/4		1233FS-3 days		+	r		÷	n t t t	,"	7	·	- n -					11 3	
1235	River Boo formation (Ch250-275) Construction of Cascade (Ch 275)	14 days	2012/1/12	2012/1/3		1	+ •	n		T T T T		1	r		10.1		r	,		111	τ -
1236	Construction of Cascade (C.B. 273) Step 3 (Ch 307)	28 days	2012/1/30	2012/3/1			+	n		τ		12 2 2			ר גי די		•	• 7 F		11	- r
		7 days	2012/1/30		7 1236FS-3 days	TP2	+	п				1		·	- 11 -	T T	TP2			111	- r
1238	River Bod formation (Ch275-307) Construction of Step 3 (Assume Mass Concrete)	10 days	2012/2/8	2012/2/18			+					1		-1	- 1-1 -	11 7.7	6		- !	111	-
	Construction of Stelling Basin (Assume Precast Conc Blocks)	10 days	2012/2/20	2012/3/	and the second sec							1	+	-1	- 1-1 -		F			11.	
1240	River Bed formation (Ch 236-330)	30 days	2012/1/27	2012/3/1		T2A	+			÷	-'	1	+	-1	- 1-6 -		• •			11	: -
1241	Placing Grade 500 toe Stone	30 days	2012/1/27		1240FF				- '	+	-'	t	L	-1	- 1-8 -		[]			11	
1242		45 days	2012/2/3	2012/3/26	A CONTRACTOR OF A CONTRACTOR O		+		-'	÷	-'	l		-1	- 1-2 -					11	; -
1243	Lighting at CH 250-320	21 days	2012/2/3	2012/2/2			+ •	<u> </u>	-'	L	-'			-!			ľ- ·			· [1] ·	
1244	Construction of Drawpits / Ductings		2012/2/28	2012/3/12			+	۔ د	-' -	1			<u>-</u>	-'		111111	ñ	·		- - -	÷ -
1245	Public lighting Installation (CE2318)	12 days	- 2012/2/28	2012/3/11			+	J		L		1	<u>.</u>	-'			1	·		- 1-1 -	
1246	Public lighting Installation (CE2317)	12 days	2012/3/13		1245.1246		<u></u> + ·		-!	1	-!	·		-!		1	ĥ	·		- - -	7.7
1247	T&C	6 days	2012/3/13	2012/3/2			+		-)	÷				-;			1			- - -	7 -
1248	Removal of existing lighting (VA1311-Z1)	6 days	2012/3/20	2012/3/2	5 1247		+					·		-;			hr			- 11 -	7 7
1249			2011/06/00	2012/3/20			+					·;		-;	- 6 1	<u>فل</u> ال		·,			7.7
250	Footbridge TB04 (Ch 330)	137 days	2011/10/12 2011/11/28	2012/3/20			+							-;	- 4 -		⊦ r - ∙	17.7	·	- 11 -	7 -
251	Construction of Abutment A (LHS)	22 days		2011/12/2			+						7	-i		T.	H- •	·,		- - -	7 -
252	Excavation and Blinding	5 days	2011/11/28 - 2011/12/3	2011/12/					-,		-,	·		-,		旧衛	ŀ - ∙	<u>а с с</u>		- 11 -	
1253	Formwork and rebar fixing for base slab	5 days		2011/12/		. <u>.</u>			-,		-(17.7	- a -		ŀ - ∙			- 11 -	7 -
1254	Concreting of base slab	1 day	2011/12/9	2011/12/1			+		-,	ī	-,	·		-,	1.		ŀ - ∙	· · · -		• [] •	η -
1255	Stripping off formwork	3 days	2011/12/10	2011/12/1			+		-,	τ					- ing i		} - ·	n n =		- 11 -	Υ -
1256	Rebar fixing and shuttening formwork for column	5 days	2011/12/14	2011/12/1			+			r	-, ·	1		-1	- 13		H	· ·			
1257	Concreting of column	1 day	2011/12/20	2011/12/2			+			r = -	-1	1		-,	- 1-16 -	出版	H	-1		- [1] -	
1258	Stripping off formwork	2 days	2011/12/21			-		+		r	-1	1	•	-;	- 19		H	-1	- 1	- H -	+ -
1259	Construction of Abutment B (RHS)	24 days	2011/10/12	2011/11/	and the second s	TP2	+		- 1	+		1	•	-;	- 1-1 -	T +	} - ·			- - -	
1260	Remove shotcrete	2 days	2011/10/12	2011/10/1			+			÷ ~ -		1	L	-1	- 14 -	• 🔁 🔤	} - ·	-'	- !	- - ·	
1261	Excavation and Blinding	5 days	2011/10/14	2011/10/1			·			+		1	L	-!	- 14 -		+	-'	- i= .	- H -	<u>ہ</u> ۔
1262	Formwork and rebar fixing for base slab	5 days	2011/10/20	2011/10/2			4	L.	-'	÷	2.2.2.2		L	-!	I. I -	· [+ -	+ - •	.'		- - -	4 -
1263	Concreting of base slab	1 day	2011/10/26	2011/10/2			· ·	L		i		1	<u> </u>	J	. גי	· 🖁 🕹	+!- ·	-'	_ !	- H -	1 -
1264	Stripping off formwork	3 days	2011/10/27	2011/10/2			4	ك	-'	L		1	<u>-</u>	-'	. · · ·		- ·	.'		- - -	<u>-</u> _
1265	Reber fixing and shuttering formwork for column	5 days	2011/10/31	2011/11/			ļ	J	-'	L	1	1	<u>-</u>	-'	- ¹ .	. F				- [-] - i	
1266	Concreting of base slab	1 day	2011/11/5	2011/11/			4	1	-'	<u> </u>		.'	<u>-</u>	-!	- 2 -	- P -				- H -	÷ -
1267	Stripping off formwork	2 days	2011/11/7	2011/11/			4	L		<u> </u>	.'			-!	- '	· [f] -],				- - ·	÷÷
1268	Construction of decking (steel deck)	16 daşs	2012/3/2	2012/3/2				1		L		.'		-!		- H- H- H	Y - •			- H ·	÷ -
1269	Erolling an dart dear i ann dear	1 days	5122	2017239			+		-!	<u>-</u>		.'		-!	- 2 -	· + -	- 1 - ∙			- H ·	
1270	Dri & Reisting	10 daps	2012/3/1	:517/3/I			-							-!	- :	/ 	- br			- - ·	
1271	Paling incident	2 days	7012/3/19	2010/23			·								- 2 -	, -	<u></u> .	-i		- - ·	7 -
1272	Demolition of Bridge TB-A	17 days	2012/3/7	2012/3/2			1									· [] [] []	N			- - -	
1273	Water Pipe Diversion	14 days	2012/3/7	2012/3/2													Ц р. .			- - -	7.7
1274	Remove concrete pipes and demolition works	3 days	2012/3/23	2012/3/2			+	· 					r	-i			ца.	-,		- - -	
1275	Lighting at Footbridge TB04	11 days	2012/3/7	2012/3/1	and the second sec		L			· • - •	-,	·	r	-i			M- •		- 1-	- - -	
1276	Construction of Drawpits / Ductings	7 days	2012/3/7	2012/3/1		1		, 			-,	·	+			. [4][4]	₩- •		- 1-	- [-] -	
1277	Public lighting Installation (CE2315)	3 days	2012/3/15	2012/3/1						T	-1	1		-1			-₩	-1	- ;-		+ -
1278	Public lighting Installation (CE2316)	3 days	2012/3/15	2012/3/1	7 1276	1											1.6			L	
																					—
	任務 [======] 里程碑	•	上黨型任務		- 題歌演家			第任務		HSHQ10	摘要群組		_	1							
	ster Prog (Aug10-Apr1								SI COLUMN		湖限	ŗ,									
奶: 2011/7/	26 態度 類要		上顧型里程碑 🛇		分割		m3	約該要		w.	350 M R.	1									

1279 1279 1280 1280 1281 1281 1282 1283 1284 1284 1285 1286 1285 1285 1288 1285 1289 1289 1290 1290	T&C Construction of Gabion Wall at TB-A Excavation and Formation Gabion Wall Construction (Ad) TBA LHS) Backfilling	工第 1 day 5 days 2 days	開始時間 2012/3/19 2012/3/27	完成時間 2012/3/19	前置任務 1278	資源名稱	H2	2008年 H1	H2	2009年 H1	H2	2010年 H1	H2	2011年 H1	H2	2012 H	11	H2	н	
1280 1281 1282 1283 1283 1284 1285 1286 1287 1288 1289 1289 1290 1291	Construction of Gabion Wall at TB-A Excavation and Formation Gabion Wall Construction (ad) TBA LHS)	5 days		2012/3/19	1278	.		Ann ann a suite ann an suite ann ann ann ann ann ann ann ann ann an	1		1		Luoussee		11		· · ·			
1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1289 1290 1290 1291	Construction of Gabion Wall at TB-A Excavation and Formation Gabion Wall Construction (ad) TBA LHS)	5 days														12.21.1.4	I		5	1.1
1281 1282 1283 1284 1284 1285 1285 1285 1287 1288 1289 1289 1290 1291	Excavation and Formation Gabion Wall Construction (adj TBA LHS)	and the second		2012/3/31	1			;		2					i î		2			11
1282 1283 1284 1285 1286 1287 1288 1289 1289 1290 1291	Gabiou Wall Construction (adj TBA LHS)		2012/3/27	2012/3/28		**************************************		(-							- i - ii		6 -	- ,		Ē
1283 1284 1285 1286 1287 1288 1289 1290 1291		and the second se	2012/3/29	2012/3/30	and the second state of th						-,		·	·	' <u>a</u> - I†	11:11	<u>,</u> -	,		ī.
1284 1285 1286 1287 1288 1289 1290 1291	Backfilling	2 days	2012/3/31	2012/3/31			+				-,			-, ·	· †		r	,	, ~	, T.
1285 1286 1287 1288 1289 1290 1291		1 day	2012/201	201233	1206										·	11-1 F	', ·		·	17
1286 1287 1288 1289 1290 1291							f			÷		·	T				1 - 1	,	a - F	17
1287 1288 1289 1290 1291	Pootbridge TB05 (ch 350)	329 days	2011/3/10	2012/4/19		ļ						()	7	-; - -	· •	·	× -, -		c - -	Ξ.
1288 1289 1290 1291	Construction of Abutment A (LHS)	20 days	2011/12/31	2012/1/27							·	·		-,	· +	MA	÷ -, :		c - -	7
1289 1290 1291	Excavation and Blinding	5 days	2011/12/31	2012/1/5		1						·		-,	- n - H		,		r - -	1
1290 1291	Formwork and rebar fixing for base slab	4 days	2012/1/7	2012/1/11								·		-,	· · · · · · ·				·	7
1291	Concreting of base slab	1 day	2012/1/12	2012/1/12													1			4
1291	Stripping off formwork	3 days	2012/1/13	2012/1/16	1289		[]										1			4
	Rebar fixing and shuttering formwork for column	4 days	2012/1/17	2012/1/20	1290												1			4
	Concerting of column	1 day	2012/1/21	2012/1/21	1291												1			1 4
1293	Stripping off formwork	2 days	2012/1/26	2012/1/27	1292		t			+					11 - II	176				1 4
1294	Construction of Abutment B (RHS)	19 days	2011/3/10	2011/3/31	1		+			+				÷ 🖤 (- <u>-</u> - î					15
		57 days	2012/1/28	2012/4/3			+		'			. !	<u> </u>	-1 - *2	· (* - 1)			'		17
1302	Construction of decking	iÔ duya	2012/1/28 1	2012-03			} ·	J			-!		<u>-</u>		· [] - []			'		ŧ÷.
1303	More Sealant of Lefter 100		2012/215	2012/3/20				J	'	1			<u>-</u>	-!	- <u>- </u>	144	: ·	'	; -	ΙŤ.
1304	Earction of stort docks one dask	4.1876							'	÷			÷		· 2 - H		静二	'	· -	ι÷.
1305	D≁k fasteg	10 6.Qs	2012/5/25	2012/3431		<u> </u>	4		' -	L			÷	-'	- 2 - H	· · · · ·			: -	ι÷.
1306	Robbey installation	2.32%	2012/4/2	201,34/3			ļ	!	'	1		.'		' - -	- 13 - 14	12	U'		: -	ŧ÷.
1307	Demolition of Bridge TB-B	17 days	2012/3/21	2012/4/13			ļ	·	'	<u></u>		·			- 14 - 14	- F	A'	'	5 - F	÷.
1308	Water Pipe Diversion	. 14 days	2012/3/21	2012/4/10			1		'	£		1.1.1.		_' '	- ' -		H	'	I-	1 ÷
1309	Remove concrete pipes and demolition works	3 days	2012/4/11	2012/4/13	3 1308			1	-	1		1	·	1			H -'		<u> </u> -	1
1310	Lighting at Footbridge TB05	10 days	2012/2/9	2012/2/20	1			1					<u>'</u>	·			H - '		k	1 -
1311	Construction of Drawpits / Ductings	6 days	2012/2/9	2012/2/15	5 1303		r ·	1		7		1		1	1	ll i b	U _'		·	11
1312	Public lighting Installation (CE2313)	3 days	2012/2/16	2012/2/18	3 1311		· ·	ì		ī				1	1 R .		U .'	'	'	1.1
1313	Public lighting Installation (CE2314)	3 days	2012/2/16	2012/2/18	3 1311		f						ŕ	-,	ן הי	6	n -	,		
1314	Further agring misingation (CCCS) in f	1 day	2012/2/20	2012/2/20			+	ר		ī				-1	- רי	11	1 -	;		1
		5 days	2012/4/14	2012/4/19			+			г – –		· ·		-1	† − רי־		÷ -	,		1
1315	Consturction of Gabion Wall at TB-B		2012/4/14	2012/4/16			+			7	-1	- 1		-1	- יי -	1 1	Шч			1
1316	Excavation and Formation	2 days		2012/4/18			+			·			+	-1	- m = [j	1 1	17		i	
1317	Gabion Wall Construction (adj TBB LHS)	2 days	2012/4/17				↓ •			+	-1		÷	-1	- 14 - -	· + +	1		1	-
1318	Backfilling	1 day	2012/4/19	2012/4/19	9 1317					÷			÷	-1	- 1-1 - -	·il+i -	1	'	i	-
1319							+			÷	2	- I	1 <u> </u>	-1	- 14 - 4	· • +	I		·	-
1320							↓			L	J		L			- 14	14 - 1		i	1
1321	Gabion Wall (Ch 335-345 LHS) TG2/TG2A	11 days	2011/12/21	2012/1/5		TP2	L		·	L	J = = -	. I	1	- ¹	- 9 - 4	iel -	(H -'		< _ -	÷ -
1322	Remove concrete blocks and shotcrete	2 days	2011/12/21	2011/12/22			1			1	2	t	L		- V -		I'		5 - F	į 1.
1323	Excavation and Formation	5 days	2011/12/23	2011/12/30	1322				·	1	1		<u> </u>	·	. 9 . H		1	'	5 a .	(±
1324	Gabion Wall Construction (Ch 335-345 LHS)	5 days	2011/12/28	2012/1/	3 1323FS-3 edays	1	-			1	2	1	<u> </u>	¹	. 2 []	.∥ね.	1 - ·		4 L .	12
1325	Backfilling	2 days	2012/1/4	2012/1/	5 1324	1	T '			1	1	1	1			llh L	11		÷	11
1326	Drainage & Footpath (Ch 335-345 LHS)	12 days	2012/1/5	2012/1/19)		† ·		,	;					1		12	'	• . I.	12
1327	Construction of drainage & footpath	12 days	2012/1/6	2012/1/19	9 1325		t ·			7	-,				- i i i i	101	1 -		1	1.2
	Gabion Wall (Ch 330-345 RHS) TG2	16 days	2011/11/9	2011/11/20		TP2	t ·			1				·	- i - X		11 -			Ē
1328		6 days	2011/11/9	2011/11/1			+	· · · ·		7	-,	·		-,	tù "lì		1		-	17
1329	Excavation and Formation		2011/11/9		2 1329FS-3 edays		+ •				-,			·	- a - H	17	h -,		7 - 1	Ē
1330	Gabion Wall Construction (Ch 330-345 RHS)	8 days	2011/11/14	2011/11/2/		-{					-,			-,	tor≞H	Tr I	H -		c = b	17
1331	Backfilling	4 days				. <u> </u>	+			-	-, ·			-,	n - li	≝⊦∣	H		r - -	٦
1332	Drainage & Footpath (Ch 330-340 RHS)	12 days	2011/11/28	2011/12/10			+						r		- n - H		H -,			7
1333	Construction of drainage & footpath	12 days	2011/11/28	2011/12/10	J 1331	<u>i.</u>	+			г — —	-,		• • ··	-ı	- n H	1 r 1	H -•			7
1334							-				-,					- - -	9 -1			-
1335	River Bod formation (Ch 330-350)	8 days	2012/3/7	2012/3/15	where a second second	TP2	L		· •		-1					7 3	f		: ·	+
1336	Placing Grade 500 toe Stone	8 days	2012/3/7	2012/3/15	5 1269											1	<u> </u>			l
	任務 里里里里里里 里程碑	•	上類型任務		1-16000108-005		AL.20	部任務	Marine.		摘要群组	_		1						
	aster Prog (Aug10-Apr1	•							CORRE			. गु	•							
期: 2011/			上願熨里程碑 🛇		分割		, 專業	新要	A.	Ψ.	期限	· 💎								

	任務名稱	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		120	012年		2013年	
467/9037	过初·台桥	1.347	(a) by drawn	2000-0141	hier and a second	2000	H2	HI	H2	HI	H2	H1	H2	HI	H2		H 1	H2	HI	
1337					\	-	1	1	1	1	1	1	1	1	11	11				1 2 -
1338	Step 4 (Ch 350)	20 days	2012/3/21	2012/4/17			t ·			·					11	IGI	•		1	1 : -
1339	River Bed formation (Ch340-350)	3 days	2012/3/21	2012/3/23	And the second s			· =							- u "	117	E -	· ·	1	111
1340	Construction of Step 3 (Assume Mass Concrete)	10 days	2012/3/24	2012/4/5	the second		+			1		,		-,	- ii -	117 1	ſÆ		I	1
1340	Construction of Stelling Basin (Assume Precast Conc Blocks)	7 days	2012/4/10	2012/4/17		+	+				-,			-,	- G - [117 1	T T -	,		1 7 -
	Construction of Sulling Basin (Assume Process Conc Blocks)	/ uays	2012/4/10	2012-011	1.540			;			- ,	1	7	-,	- n - I	117	11-	· ^		177
1342			0010010			TPI							T " 🖬		أدتب است	ا معلق		, ·		11 7 7
1343	Ch 45-100	480 days	2010/11/1	2012/5/23		181	+	;			-,		r - 🕶	-,	- n - 1	/ +	p	1 T T T		il a c
1344	Additional Boulder Trap	180 days	2011/10/3	2012/5/14	1176		4						,		- 11 -4	++	F-F		- ,∤	-
1345	· · · · · · · · · · · · · · · · · · ·				·		4			· ·		·		<u> </u>		11		n	!	id
1346	Footbridge TB02 (Ch 150)	480 days	2010/11/1	2012/5/23	1	TPla	1	, 		· ·					- 12 -	t r		4		
1347	Construction of Abutment A (LHS)	23 days	2010/11/1	2010/11/23			1			· ·	-1	· · · · · ·	7	<u></u>	- 19 -	41 - I	<u> </u>		!	i-l + -
1355	Crustraction of decking	14 days	2012/3/14	2012/3/29						·				-1	- 14 -	4147	M	· f	1	i- → -
1356	(20, 15-0 of start (kg) + o st. (ks)	1 days	2012/5/14	2012/3/17	11423		T						+ -·-	-1	- 14 -		14 -			(-)
1357	NG ANY STOR	Q dasa	8012/8417	2012/3/17	1356		T								- 14 -	4121	Q 17/	3		
1358	Ley,k Benshina	10 days	20135410	2013/76	1386		T					1	L		- 4 -		LL .		'	L
1359	Roding machiner	7 3850	2012/3/19	25155129	1.98		t							-1			LH			1
1360	Lighting at Footbridge TB02	51 days	2012/3/19	2012/5/23			t ·					· ·				117 I		1		
1361	Construction of Drawpits / Doctings	21 days	2012/3/19	2012/4/16	1356		+							1		1177	[66]			
1362	Public lighting Installation (CE230S)	12 days	2012/4/17	2012/5/2			t ·	/	·	÷ ·						1171	116		!	077
1363	Public lighting Installation (CE2309) Public lighting Installation (CE2309)	12 days	2012/5/3	2012/5/10			+		<u></u>	÷ =		· ·			- 3 - 1	11:1	T L			[] 7 7
		6 days	2012/5/17	2012/5/23			+			÷ ·		· '				d1: 1	t FT			1 7 1
1364	Removal of existing lighting (VA2642-A1)	0 days	2012/3/17	2012312.	1.00		+ •			÷ ·		· :			- 3 -	d1: 1	+ - °-			1171
1365							+			÷		· :		-,	- 11 -	iti ti t	+ h	·		11 7 1
1366							+		:					-,	- 3 -	11:1	- مطلعا	·		1
1367	River Bed formation (Ch 100-150)	30 days	2012/3/19	2012/4/26			+			÷ ·						(† ÷ 7	M -	5		
1368	Excavation	20 days	2012/3/19	2012/4/14			· ·			÷		·			- 6 -	(† ÷ 7	- 髅 -	·		1
1369	Place Gabion mailress	20 days	2012/3/30	2012/4/20	1368FS-10 days		-			· ·		·	7		- 6 -	+1 - 1	-⊫-	·]		
1370							L			÷						4	F - -	4		
1371	Gabion Wall (Ch 150-178 LHS) TG3A	172 days	2011/4/4	2011/11/1		TP1	1				-,				- 13 -		F - -	·		- - ·
1372	Excavation and formation	19 days	2011/4/4	2011/4/29										U	- 12 -	41÷ 1	F - -	·		1-1
1373	Gabion Wall construction (Ch 150-178 LHS)	10 days	2011/10/15	2011/10/26						·							- .	·		Η.
1374	Backfilling	5 days	2011/10/27	2011/11/1	1373		T						· 		- 1+ -	Н. /				- + -
1375	Gabion Wall (Ch 178-230 LHS) TGSA/TG2	15 days	2011/10/3	2011/10/20		TPI	·							-1						
1376	Gabion Wall construction (Ch 178-230 LHS)	10 days	2011/10/3	2011/10/14	1176	1 1 1	1 1							_,				J		-
1377	Backfilling	5 days	2011/10/15	2011/10/20	1376		T '													L
1378	Maintainence Staircase (Ch 178 LHS)	4 days	2011/10/27	2011/10/31			1											J .	- 1	LL A .
1379	Formwork and concreting	4 days	2011/10/27	2011/10/3	1373		+									ſ -	T FT-	1		
1380	Drainage & Footpath (Ch 150-Ch230 LHS)	21 days	2011/11/10	2011/12/3			+			÷							r FI-	1		
1381	Drainage & Footpath	21 days	2011/11/10	2011/12/			+	3	<u></u>	÷ ·		· <u>'-</u>				11	F - -	1		117
	Gabion Wal (Ch 100-150 RHS) TG2	40 days	2011/11/21	2012/1/5		TPI	+	2	(1 ·		· · · ·	<u>-</u>			ر جن ا	t [-] -			11 7 1
1382	Remove shokeric	5 days	2011/11/21	2011/11/25			·+ ·		(- n	<u>+</u>		· ` '				fil -	t - -	·]		1171
1383			2011/11/24		1383FS-2 odays		+		(÷		·;		-1		計畫 计	r ⊩I-	·]		11 7 1
1384	Excavation and formation	21 days			1384FS-16 eday		·			÷		· ;		-,		牧	+ - -	1		1 7 1
1385	Gabion Wall construction (Ch 100-150 RHS)	24 days	2011/12/2			·s	+			÷		· ;	÷	-,	- 2 - 1		<u>}</u> - -	·		11 7 1
1386	Backfilling	6 days	2012/1/3	2012/14		[·;				النفا ا	∦- -	·]		1 7 1
1387	Maintainence Staircase (Ch 130 RHS)	4 days	2012/1/5	2012/1/9	all and a second second second second		+	-,		÷				-1	- 3 - 1		∦ ŀ •	·		H 7 (
1388	Formwork and concreting	4 days	2012/1/5		1386FF			-		÷		·		-1	- 6 -	111-00	- -	·]		H 7 ·
1389	Drainage & Footpath (Ch 0-150 RHS)	45 days	2012/1/10	2012/3/5			+			÷					- 6 -	- 2	₹ŀŀ-	·]	- ,	
1390	Construction of drainage & footpath	45 days	2012/1/10	2012/3/3	1386			<u> </u>		· ·		·;			- 6 -	11 - 12	₽ŀŀ.	4		H - ·
1391							L									Ш., !	+	j		Η
1392	Gabion Wall (Ch 150-178 RHS) TG4A	22 days	2011/10/31	2011/11/24		TPI		,							- 19 -		+ - ·	i-		-
1393	Remove Shotcrete	2 days	2011/10/31	2011/11/	1374FF	1														- +
1394	Excavation and formation	8 days	2011/11/2	2011/11/10	1393	1	T						-			hL.		1	-	LL.
		•	- 観型江務		L (753) (14:47		AL 40	8任務	NE AN AN	THE REAL	摘要群組			,						
vised N	faster Prog (Aug10-Apr1 任務 王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王				上願型進度				BALLEN DE LE CONTRACTOR			रु		,						
	加26 態度 摘要		E、聽髮里程碑 🛇		分割		113	は商要	Alter and a second		期限	~>								

(記分)時(任務条件) (1395) (1396) (1397) (1398) (1397) (1398) (1399) (1401) (1402) (1403) (1404) (1405) (1406) (1405) (1406) (1407) (1408) (1409) (1410) (1411) (1412) (1413)	Construction of Gabion Wall (Ch 160-178 RHS) Backfilling Footbridge TB03 (Ch 200) Construction of Abutment B (RHS) Excavation and Blinding, temp work Formwork and rebar fixing of base slab Concreting of base slab Stripping off formwork Rebar fixing and shuttering formwork for column Concreting Supping off formwork Construction of Decking (TB03) Medifications of UIS table up Excava of whil deces form day Excava of whil deces form day Excert folded.	工具引 12 days 4 days 116 days 4 days 21 days 21 days 1 days 2 days 1 day 2 days 1 day 2 days 1 day 2 days 34 days	時後55年0 2011/11/2 2011/11/21 2011/10/24 2011/10/24 2011/10/24 2011/10/24 2011/11/25 2011/11/25 2011/11/25 2011/11/128		5 1298 4 1400 5 1401	資源名保	H2	H1	H2		H2	H1	H2		H2			H2		
1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1415 1405 1415 1405 1415 1	Backfilling Footbridge TB03 (Ch 200) Construction of Abutment B (RHS) Excavation and Blinding, temp work Formwork and rebar fixing of base slab Concreting of base slab Stripping off fornawork Rebar fixing and shuttering fornawork for column Concreting Surpping off fornawork Construction of Decking (TB03) Micellations of L105 slabs up Excava of sterid decise one, forty	4 days 116 days 41 days 21 days 7 days 1 day 2 days 7 days 1 day 2 days 34 days	2011/11/21 2011/10/24 2011/10/24 2011/10/24 2011/11/0/24 2011/11/25 2011/11/25 2011/11/25 2011/11/29 2011/12/7	2011/11/24 2012/3/13 2011/12/9 2011/11/26 2011/11/24 2011/11/25 2011/11/25 2011/11/28	1395 1208 1400 1401						·									
396 397 398 399 400 401 400 400 400 400 400 400 400 405 405 405	Backfilling Footbridge TB03 (Ch 200) Construction of Abutment B (RHS) Excavation and Blinding, temp work Formwork and rebar fixing of base slab Concreting of base slab Stripping off fornawork Rebar fixing and shuttering fornawork for column Concreting Surpping off fornawork Construction of Decking (TB03) Micellations of L105 slabs up Excava of sterid decise one, forty	116 days 41 days 21 days 7 days 1 day 2 days 7 days 1 day 1 day 2 days 3 days 3 4 days	2011/10/24 2011/10/24 2011/10/24 2011/10/27 2011/11/25 2011/11/25 2011/11/25 2011/11/29	2012/3/13 2011/12/9 2011/11/16 2011/11/24 2011/11/25 2011/11/25	5 1298 4 1400 5 1401									.) 				 		ŧ
1398 1399 1400 1401 1402 1403 1404 1405 1415 1405 1411 1411 1411 1412	Construction of Abotment B (RHS) Excavation and Blinding, temp work Pormwork and reber fixing of base slab Concreting of base slab Stripping off fornawork Reber fixing and shuttering fornawork for column Concerting Stripping off fornawork Construction of Decking (TB03) Micolfactores of LIPS shifts up Excave of steria decise one, forth	41 days 21 drys 7 days 1 day 2 drys 7 days 1 day 2 days 1 day 2 days 34 days	2011/10/24 2011/10/24 2011/11/7 2011/11/25 2011/11/25 2011/11/29 2011/11/29 2011/12/7	2011/12/9 2011/11/16 2011/11/24 2011/11/25 2011/11/25	5 1208 4 1400 5 1401			; ; ; ; ; ;				1 								ł÷
1398 1399 1400 1401 1402 1403 1404 1405 1415 1405 1411 1411 1411 1412	Construction of Abotment B (RHS) Excavation and Blinding, temp work Pormwork and reber fixing of base slab Concreting of base slab Stripping off fornawork Reber fixing and shuttering fornawork for column Concerting Stripping off fornawork Construction of Decking (TB03) Micolfactores of LIPS shifts up Excave of steria decise one, forth	41 days 21 drys 7 days 1 day 2 drys 7 days 1 day 2 days 1 day 2 days 34 days	2011/10/24 2011/10/24 2011/11/7 2011/11/25 2011/11/25 2011/11/29 2011/11/29 2011/12/7	2011/12/9 2011/11/16 2011/11/24 2011/11/25 2011/11/25	5 1208 4 1400 5 1401			s			:	;				ŗľ				<u>۱</u>
1399 1400 1401 1402 1403 1404 1405 1406 1406 1406 1405 1409 1410 1411 1412	Construction of Abotment B (RHS) Excavation and Blinding, temp work Pormwork and reber fixing of base slab Concreting of base slab Stripping off fornawork Reber fixing and shuttering fornawork for column Concerting Stripping off fornawork Construction of Decking (TB03) Micolfactores of LIPS shifts up Excave of steria decise one, forth	21 days 7 days 1 day 2 days 7 days 1 day 2 days 2 days 34 days	2011/1024 2011/11/17 2011/11/25 2011/11/26 2011/11/29 2011/12/7	2011/11/16 2011/11/24 2011/11/25 2011/11/28	5 1208 1 1400 5 1401							F	·	<u>.</u>	H - M	- F			ŀ	4 5
1400 1401 1402 1403 1404 1405 1405 1405 1405 1405 1405 1409 1410 1411 1411	Excavation and Blinding, temp work Pornwork and rebar fixing of base slab Concreting of base slab Stripping off fornawork Rebar fixing and shettering fornawork for column Concreting Stripping off fornawork Construction of Decking (TB03) Miceilizations of C118 tables up Ervarse of steria decise one, forth	21 days 7 days 1 day 2 days 7 days 1 day 2 days 2 days 34 days	2011/11/17 2011/11/25 2011/11/26 2011/11/29 2011/11/29	2011/11/24 2011/11/25 2011/11/28	4 1400 5 1401			, -							1.4 194.5	1 e h				4.2
1401 1402 1403 1404 1405 1405 1405 1405 1405 1405 1408 1409 1410 1411 1412	Formwork and rebar fixing of base slab Concreting of base slab Stripping off formwork Rebar fixing and shattering formwork for column Concreting Shipping off formwork Construction of Decking (TB03) Michilauton of UDS hinds up Encarso of sterial darse conc dwy	7 days 1 day 2 days 7 days 1 day 2 days 2 days 34 days	2011/11/17 2011/11/25 2011/11/26 2011/11/29 2011/11/29	2011/11/24 2011/11/25 2011/11/28	4 1400 5 1401		+					1	1	1	1 - I S	- L P				11
1402 1403 1404 1405 1405 1406 1407 1408 1409 1410 1411 1412	Concreting of base slab Stripping off formwork Reber fixing and shattering formwork for column Concreting Stripping off formwork Construction of Decking (TB03) Michilations of UTS table up Equary of sterial decke conc dwy	l day 2 days 7 days 1 day 2 days 34 days	2011/11/25 2011/11/26 2011/11/29 2011/11/27	2011/11/25 2011/11/28	5 1401					7		1	·		9.10	£ []			·	
1403 1404 (405 1406 1407 1408 1409 1409 1410 1411 1411	Stripping off fornwork Rebar fixing and shuttering fornwork for column Concreting Stripping off fornwork Construction of Decking (TB03) Micelifactore of LTS table up Encares of steria darse conc dark	2 days 7 days 1 day 2 days 34 days	2011/11/26 2011/11/29 2011/12/7	2011/11/28							1	1	· · · ·	·+	9.11		6131.			_ <u>'</u>
1404 1405 1406 1407 1408 1409 1410 1411 1412	Rober fixing and shuttering formwork for column Concreting Sinipping off formwork Construction of Decking (TB03) Microfilenties of L105 sinilar up Enclares of sterial decks store, deck Enclares of sterial decks store, deck	7 days 1 day 2 days 34 days	2011/11/29 2011/12/7				+	i			n	1	r	·,	רן ביי	67 []	[]]]	,	-	17
1405 1406 1407 1408 1409 1410 1411 1412	Concreting Supping off formwork Construction of Decking (TB03) Micrifications of C115 stable up Erware of steril deces one dect	l day 2 days 34 days	2011/12/7				+)		r	n - - -	1		·,	רי "	E I	[]]	,		ין
1406 1407 1408 1409 1410 1411 1412	Stripping off formwork Construction of Decking (TB03) Medidaotoes of UTN table top Encarso of steril deces core, dwy	2 days 34 days		2011/12/7			+	,		r		1	F				[]]]	,		11
1407 1408 1409 1410 1411 1412	Construction of Decking (TB03) Medifacture of UTN table top Encarse of steril deces core devic	34 days		2011/12/9			+	s				1		-1	·n - - !	-	[] - 1 -		·	1
1408 1409 1410 1411 1412	Multilauteen of UIN table top Elevanta of stori detx+ conv durt		2011/12/08	2011/12/28			+		~	r		1 1	•	-1	'* - je		r † -		(·	1 1
1409 1410 1411 1412	Enuscia al serii durat consi dirk		2012/11/17	2011/12/20			+			+	nl	(I	۰ ·		14 - 17	ar t i	[]-]-			1.
1410 1411 1412		N deter		24. (71.914			+	4		+		· •	-	-1	14	t	r - -	'	i	1.
1411 1412	structure and the state of the	4 days	2011/12/10				+	4		+		·	1 ·	-1	'- i - -	17 -	r i -l -	'		1.
1412		10 æy.	.5011/12/15	2011/125			+	. .	'	÷ = = -	2	1	L = - ·	-'	1 3 - -	12 F /	- - -			1.
	káling interfector	j Aps.	2011/13/15	200, 171 Wile			+	J		1		·	L ·	-'	그			• '		11
1413	Lighting at Footbridge TB03	27 days	2011/12/17	2012/1/20			+		' -	٤ ـ ـ .		· ·	L	-'	12 - -1		-1-1	'	<u> </u>	11
	Construction of Drawpits / Ductings	12 days	2011/12/17	2012/1/			-		'	1	2	· '	1	-'	12 - J-	<u>+ + + +</u>	[·			1 :
1414	Public lighting Installation (CE2321)	6 days	2012/1/4	2012/1/10			1		'	L	-'	·'	!	-'	2	P	- -[·	'		-1 ÷
1415	Public lighting Installation (CE2322)	6 days	2012/1/11	2012/1/17			1	!	'	1		.'	1	-'	12 - -		- -[·			-1-1-
1416	T&C	1 day	2012/1/18	2012/1/18		1	1	!	'	<u></u>			<u>-</u>	-'	17 - -					4 ÷.
1417	Removal of existing lighting (VA1309-Z1)	2 days	2012/1/19	2012/1/20	0 1416				·	1					12 _ -					
1418	Step 1 (Ch 178)	25 days	2012/2/2	2012/3/1	1 ·	1		1	1	1		·	·		'!					
1419	River Bed formation (Cal78-205)	5 days	2012/2/2	2012/2/		1		1							2		-1-[I	
1420	Construction of Step 1 (Assume Mass Concrete)	10 days	2012/2/8	2012/2/18	8 1419		T	1		1							[I	
1421	Construction of Stilling Basin (Assume Precast Conc Blocks)	10 days	2012/2/20	2012/3/	1 1420					7						IL b	[1.
1422	River Bed formation (Ch 150-178)	10 days	2012/3/2	2012/3/13	3		T /	1	,	1		1			1					1.
1423	Place Gabion mattress	10 days	2012/3/2	2012/3/1	3 1421		t ·	1		T	-,		r ·		1	Ութ				44
1424							t ·	·		r	-,		r	-,	1.1	1 E E				11
1425	Gabion Wall (Ca 178-222 RHS) TG1/TG1A	40 days	2011/12/10	2012/2/1	1	n	† ·			7										11
1425	Exception and formation	25 days	2011/12/10	2012/1/1		[***********	† ·			7	-1		• ·	-1						11
	Construction of Gabion Wall (Ch 178-210 RHS)	25 days	2011/12/23		7 1426FS-20 cday		+			÷ ·		· [•	-1	14	EH	r i T			17
1427		4 days	2012/1/28	2012/2/			+			+	-'	· I	1	-1		H				17
1428	Backfilling	4 Qays	2012/1/20	20122	1 1767		+ •		'	*		. !	L	-!	1.1	1.1				11
1429			2012/2/3	2012/2/2	-		+ •	4	' "	±			L = - ·		3		[- -[·			11
1430	Lighting CH 175-250	21 days		2012/2/1			+	L		i		· ·	<u>+</u>	-!	2-1-	1 Th	[]_[`			11
1431	Construction of Drawpits / Ductings	12 days	2012/2/3	2012/2/2			+	۔ <u>۔</u> د	'	L	-'		<u>_</u>	-!	2 - 1-	l T	†∣-[`		·	11
1432	Public lighting Installation (CE2319)	6 days	2012/2/17				· ·	J	'	L	-'			-!	2		- -[11
1433	Public lighting Installation (CE2320)	6 days	2012/2/17	2012/2/2					'	i	-!	· ' '		-!	11 - I-				<u>}-</u> -	1:
1434	Public lighting Installation (CE2323)	6 days	2012/2/17	2012/2/2		and the second	4	!	'	1				-!	E - -	- Ľ	- -[1:
1435	Public lighting Installation (CE2324)	6 days	2012/2/17	2012/2/2			.+ ·	!	' -	<u> </u>				-!	E - I-	- F				1 1
1436	T&C	1 day	2012/2/24	2012/2/2			. -	!	'	<u>!</u>		- <u>'</u>			- I- I-	- 	- -[; I	1 -
1437	Removal of existing lighting (VE2641-A1)	2 days	2012/2/25	2012/2/2			. .							-1	- I - I -	E P	- -[Н÷
1438	Removal of existing lighting (VA) 310-A1)	2 days	2012/2/25	2012/2/2	7 1436		1								· : - -	141	- -[; I	H 7
1439							1	1		1					يا	1	LL		j J	
1440	Ch-2345	613 days	2010/8/30	2012/8/1				1						-,		v -		7	()	
[44]	Retaining Wall at Access D (Boulder Trap)	41 days	2010/9/1	2010/10/11	[[,						-,		÷ -			,	
1461	Filling Work at Boulder Trap (RHS of downstream)	6 days	2010/8/30	2010/9/4	1		T	л -		T			. V	3			- - [
1463	Dwarf Wall (Ch 60-75) RHS	23 days	2011/10/3	2011/10/2	9		T '			r				-,		1			; I	44
1464	Excavation and Blinding	4 days	2011/10/3	2011/10/			1					- 14								4
1465	Formwork and rebar fixing of base slab	5 days	2011/10/8	2011/10/1			I			r					h	<u> </u>				L.
1400	LOTHIMORY SIG TOOR HYBRY OF DESC 2490	, , , , , , , , , , , , , , , , ,	2011100											A						

Revised Master Programme Aug 2010 - Apr 2013 Rev (16)

C C I I I I I I	19 82 47 40	工物	開始時間	完成時間	前置任務	資源名俱	1	2008年		2009年		2010年		2011年		2012	₽		2013年	
奶喝	任務名稱	1.69	(#E) \$(20x-\$100)	2015/2012/101	AUPCILION	A NO THE	H2	H)	H2	H1	H2	HI	H2	HI	· H2	Н	1	H2	B1	
	Describer of here of h	1 day	20)1/10/14	2011/10/14	1465			L	1.5. 138			1		1		1		t		1
166	Concreting of base slab .	l day	2011/10/14	2011/10/15			+		(- ÷ -	<u>+</u>				1	F			;		77
467	Stripping off fornwork	and the second se	and the second sec	2011/10/21			+		<u></u>	÷					- K				1	- T - T
468	Rebar fixing and shuttering formwork for column	5 days	2011/10/17	2011/10/22			}		(÷		<u></u>			: - 🕅	1				7.7
469	Concreting	1 day	2011/10/22				+					<u>-</u>		(.÷ - [*]	÷ -	- - -		-	7.7
470	Stripping off formwork	1 day	2011/10/24	2011/10/24								. — — —			2	÷ -	- - -	·	-	7 -
471	Backfill	5 days	2011/10/25	2011/10/29	1470		1			·					10	÷ -	- - -	· ?	-	7 7
472	Box Culvert 03 (Ch 45)	31 days	2011/10/31	2011/12/5			L								het	÷ -	- -[-	2		7 -
473	Construction of Base Slab	21 days	2011/10/31	2011/11/23				1			·				N	÷ -	-] - [-			7 -
474	Remove boulder and wire fence	5 days	2011/10/31	2011/11/4					·						_ b		- -[-		-	
475	Excevation and Blinding	7 days	2011/11/5	2011/11/12	1474		T	п		7		1					⊢∣ - ∫ -		-	
476	Formwork and rebar fixing	5 days	2011/11/14	2011/11/18	1475					r		1			I.H.	L _			J	i
477	Concreting	1 day	2011/11/19	2011/11/19			t	1 **		r		1								
478	Stripping off formwork	3 days	2011/11/21	2011/11/2		1	t	4	:	+						5				
479		10 days	2011/11/24	2011/12/5			+			+		l			1 - 1	-			- 17	1
	Construction of Wall Stem and Top Slab	4 days	2011/11/24	2011/11/28		+	+		·	+		1		· · · ·	4 - [-]	6	[[[[1]	
480	Formwork and rehar fixing	4 days 1 day	2011/11/29	2011/11/29			+	4 ~ ~ ~	·	+	-'	1				h	r -[-			
481	Concreting	and the second se	2011/11/20	2011/17/2			+		'	÷		1		!			r -(-		-	1.1.1
482	Stripping off formwork	5 days		2010/12/	5		+	^ر	·	i	-'	· ·		! -	و م	- i		. * * * *	-	17-
483	Retaining Wall at Access D (Boulder Trap)	322 days	2011/7/18		1		+		'	ì	.'	1	L	.'	▼ - -	_ ۸	-1-1-	≝ - - A	-	÷ ~
484	Retaining Wall (LHS)	49 days	2012/4/27	2012/6/26				1	' -	i	-'	· ·	<u> </u>		· - -	<u>1</u> –	n Y -			it-
485	Excavation and blinding	14 days	2012/4/27	2012/5/15			4	!	'	<u>1</u>		· ·		.'	9 - [1 -	<u> - 144</u>	<u>}</u>	-	1
186	Construction of Base Slab, Bay 2	8 days	2012/5/16	2012/5/24	An and a state of the state of		1	!	'	£	2	·' ·	<u>'</u>	.'	9	1 _	- 14	}	-	
187	Formwork and rebar fixing	4 days	2012/5/16	2012/5/19	1485			1	·	<u>-</u>		' '	·	·	1	1 -	- 19 -		-	
88 -	Concreting	1 day	2012/5/21	2012/5/2	1487		T	1	· .	1	1	۱ <u>ـــ</u>		1	' <u>?</u> _ _	1.	- 14 -	!	-	1
189	Stripping off formwork	3 days	2012/5/22	2012/5/2/	1488		T			ī		1		1	·	1	<u>_h</u> .	!	[J	11 -
490	Construction of Base Slab, Bay 1	8 days	2012/5/25	2012/6/2		1	T	1		i – –	<u> </u>	1			211	1	. .		[]	11.
191	Fornawork and rebar fixing	4 days	2012/5/25	2012/5/29	1489		t ·			ī				1		1	L 🖬 .	^I	$1 \perp I $	11.
492	Concreting	1 day	2012/5/30	2012/5/3	1491		+	1		ī	-,	·		1	1	1	6		12	11.
493	Stripping off formwork	3 days	2012/5/31	2012/6/			+	3		7	-,		r ·		- i - i-	Τ.	667			11.
494	Construction of Wall Stem, Bay 2 -	8 days	2012/6/4	2012/6/12			+ •	ר		r			r ·		n] 7 -	- U	/		17.7
		4 days	2012/6/4	2012/6/			+	··		г					- r	η -	- 6-			177
495	Formwork and rebar fixing			2012/6/			+	-;		r					- er	T -	- ff -			
496	Concreting	1 day	2012/6/8		1		+			7		1	+		· • • • •	7 -	- 11-	i	n - H	+ -
497	Stripping off formwork	3 days	2012/6/9	2012/6/12			+			+		- i	• ·	1	Ma ~ -	+ -	- 📥 -	i	14	
498	Construction of Wall Stem, Bay 1	11 days	2012/6/13	2012/6/20	A construction of the second sec		+		1	+		t		·i	·a - -	+	- 🛉 -	Þ	-	
499	Formwork and rebar fixing	4 days	2012/6/13	2012/6/1			1			+		i		.i	·# = -	+ - ·	- 🕂	1	-	
500	Concreting	1 day	2012/6/18	2012/6/1			1	<i>.</i>		L	2		L		14 L L	- ÷	- 🖡	i	두 그 [귀	4
501	Stripping off formwork	3 days	2012/6/19	2012/6/2	1500	r				i	1	. i.e	L	·	u . .	1	P -	!	L = J	1.
502	Backfill the Retaining Wall	3 days	2012/6/22	2012/6/2	5 1501		T			L					<u>u - 12</u>	4	<u>h</u> .	· ·	c = J	1 -
503	Vehicular Access D	322 days	2011/7/18	2012/8/1	i i	1	Τ	1		L		1	L		· -	4 -		7	z I	1 1 -
504	Road Kerb and formation	64 days	2011/7/18	2011/9/3)		1	1		1		1			- EI-	1 -	L +	!	4 - 12	11.
505	Pavement	30 days	2012/6/27	2012/8/	1368,1502		† • • ·	1				1		1	9	1 -	L L	· . ·	4 - 12	11.
506	Railing and street furniture	12 days	2012/8/2	2012/8/1			† ·	 1					;		6 T	1		6	c : p	1 .
507	Lighting at Access D	124 days	2011/10/24	2012/3/22			+								i 🖤	-	E 7.7		5 E P	11.
		21 days	2011/10/24	2011/11/1			1						; ·		·i [9]		Г <u>-</u> - Т		<u> </u>	1.
508	Construction of Drawpits / Ductings		2011/10/24	2012/3/1	and an owner of the second sec		+		,		-,		i	·,	ŭ - ["	775	r -, -	i	7 - 17	177
509	Public lighting Installation (CE2300)	3 days	2012/3/14	2012/3/1		· • · · · · · · · · · · · · · · · · · ·	+				-,	·		·,	-i - i-	7 -	r	/	r - [*	17.7
510	Public lighting Installation (CE2301)	3 days		2012/3/1	1							· · · ·	·	·	oa = -	7 -	f -, -	/	e - P	1 7 7
511	Public lighting Installation (CE2302)	3 days	2012/3/14		1		+				-,	· ,		·,	o - -	7 -1	∱ -,·	/	e - P	1 7 7
512	T&C	l day	2012/3/17	2012/3/1		1	+				-,		r ·	·,	n - 1"	7 - 7	f -, ·		⊂ - P	1
513	Removal of existing lighting (VA1278-A1)	2 days	2012/3/19	2012/3/2			+			- 			r - - ·		n - -	7 - 7	¥ -1.		e - P	1
514	Removal of existing lighting (VA1279-A1)	2 days	2012/3/21	2012/3/2	1513		1		,	·		· ,		-,	12	÷ - '			P	
515		191919 - House - House - House - House - House - House - 1919								+							·	;	, -'	
516	Ch 350-450	436 days?	2011/1/3	2012/6/1		1	1												L'	<u> </u>
	任務		上類型任務		上劇型總度			8任務	RATIO	MR. LET	摘要群組	-	_							
ised I	Master Prog (Aug10-Apr1							0.177.023	Margaret Street			ŗ,	•							
	1/1/26 進度 捕裂		L展型黑程碑 🛇		分割		10.5	精要	The second second		期限	-7	-							

			and the later of t	de lastra	Last and the rely	Scheller de 44		anaatri		loopoter		00100		2011年		201	7年		2013年	
識別碼	任務名稱	工期	開始時間	完成時間	前置任務	資源名構	H2	2008年 H1	H2.	2009年 H1	H2	2010年 F1	H2	1011年 H	. H2		HI T	H2	HI	1
1517	Gabion Wall (Ch 350-400 LHS) TR1 (AD)	42 days	2011/10/27	2011/12/14		<u></u>	<u>14</u>	ni	<u> </u>	<u> </u>	1 114	1	1 100	1			1		1	1:-
1517	Remove Concrete block and shotcrete	7 days	2011/10/27	2011/11/3		6.2	ł;		;	1		·		-'	-ú - í	6.2	,			132
1518	Excavation and Foramition	30 days	2011/11/1		1518FS-3 edays		t;				-,			1	- i -					13.
		23 days	2011/11/12		1519FS-20 days		+			<u>;</u>				-,	- <u>6</u> - [Π. Ι				17-
1520	Laying concrete blocks and gabion blocks	25 days	2011/12/9	2011/12/14			+				-,	+	- · - ·		- 6 -	17 -	1 -			17-
1521	Backfilling	and the second s		2011/12/14			+						·		- n *	تيش	1 -		1	17-
1522	Gabion Wall (Ch 400-450 LHS) TR1 (AD)	46 days	2011/12/9	2012/2/16			+						r ·		- 6 - 1	110 -			·	1 7 -
1523	Remove Concrete block and shotcrete	7 days	2011/12/9												- n -	洗-	÷			17 -
1524	Excavation and Forantion	30 days	2011/12/14		1523FS-3 edays		+			7				-,	- n - I	112	,		c = b	
1525	Laying concrete blocks and gabion blocks	23 days	2012/1/3		1524FS-20 edays		+			÷ = =	-,		r	-,	- n -		ı			
1526	Backfilling	5 days	2012/2/2	2012/2/7	Accession and a second se		·			·			r		ا جر ج	114	l		r=	
1527	River Bed formation (Ch 350-400)	436 days?	2011/1/3	2012/6/13		a representation of the difference of the differ	1					1	÷	<u></u>	- 191 -	+	I		:	
1528	Placing Grade 500 toe Stone	14 days	2012/3/21	2012/4/10	1525,1304	ļ			1	• - •		1	+		- 14 -	4 + +	1 ² 0		:	+ + -
1529						l,	L			÷ • •		1	L	-1	- 14 -	444			t=	
1530	Footbridge TB06 (Ch 400)	149 days?	2011/12/9	2012/6/13			L		1			1	L	-1	- 14 -				i	
1531	Construction of Abutment A (LHS)	30 days	2011/12/9	2012/1/16			[]			÷		t	L	-1 - ÷	- 14 -		•		5	
1532	Remove Concrete block and shotcrete	3 days	2011/12/9	2011/12/12	1520				1	L			L	1	- 18 m	↓ 🖢	1		L -	
1533	Excavation and Blinding	10 days	2011/12/13	2011/12/23	1532		T		1	L	2	·	L		- 21 -	16-1	4-1		14 - L	4
1534	Formwork and rebar fixing of base slab	5 days	2011/12/24	2011/12/31	1533		T					1	·		- ¹ .	161	'		5.2	
1535	Concreting of base slab	1 day	2012/1/3	2012/1/3	1534	1	T			1	1	1		۶		յել	I		5 L	1 1
1536	Stripping off formwork	2 days	2012/1.4	2012/1/5	1535	1	1			1.		1			. 9 .		'			4 4 -
1537	Rebar fixing and shuttering formwork for column	5 days	2012/1/6	2012/1/11			1				-,	1		1	. 11		. ·		5	11.
1538	Concreting	1 day	2012/1/12	2012/1/12	And and a second s		t ï		,			1		-,	11		115			1:-
1539	Stripping off formwork	3 days	2012/1/13	2012/1/16	A DESCRIPTION OF A DESC		+			1		1		-,	- n -	1 11	11-		1	11
1540	Construction of derking	14 days	2012/4/11	2012/4/26	And the second s		+				<u>-</u>			-,	- n - 1	171	· ب			77-
540	Firefine - i deel de k+ con daik	4 đạo	2012470	ministria			+			ī	5.7.7.1		7		- n	17	16.		ī -	1 7 -
		10.1745	2012-1-16	14.14 Mag	1		+			ī	·		r - -	1		171	11.			77-
1542	Dec? Inclury		2012/4/14	241,27823 201,24444		+	+				$\gamma = -\gamma$, -	7		- G -	171	4 14/	4 -		
1543	M	9 days	2012/4/16	2:12:47			+			T	n	ı	7 - 7	-1	- n - 1	171	111-1		c -	
1544	Pailing satelliter	2.3ry;		2012/5/3			+				~ı ·		ŕ	-1	- n -	1 7 1	ĺ₩⁻'		(= -)	
1545	Lighting at Footbridge TB05	14 days	2012/4/16			ļ	+		i	r	-1	1	r = -		- 13 -	1 7 1	1 -		; - -	
1546	Construction of Drawpits / Ductings	6 days	2012/4/16	2012/4/21					<u>.</u>		-1			-1	- 13 -	1 7 1	惜-'		1	1
1547	Public lighting Installation (CE2311)	3 days	2012/4/23	2012/4/25						$_{\rm P}$ \doteq \doteq	-1	1		-1	- 11 -	1 1	<u>†</u> t-i		1	
1548	Public lighting Installation (CE2310)	3 days	2012/4/26	2012/4/30			L			÷	-1	1	•	-1	- 14 -	4 + +	- '		i	
1549	T&C	2 days	2012/5/2	2012/5/3			4			÷		1		-1	- 14 -	+++	- - - •		in -	4
1550	Demolition of Bridge TB-C	4 days?	2012/4/27	2012/5/3	1	1			12 2 2	÷		1	L	-1	- 14 -		- -		1	
1551	Water Fipe Diversion	1 day?	2012/4/27	2012/4/27		1	1		·	÷	2		L	1-	- 10 -		₽ _'		·	
1552	Pedestrian Diversion/Demolition works	3 days	2012/4/30	2012/5/3		1			·	i	·		L	-!	_ 18 _	- 1	<u>h</u> .		L -	
1553	Consturction of Gabion Wall at TB-C	35 days	2012/5/4	2012/6/13	1				·	L	2		L	_i	- 12 -	4 4 4	1.52		·	
1554	Excavation and Formation	3 days	2012/5/4	2012/5/7					·	L	2	·	<u> </u>	¹ -	. 9 .	- 1			·	
1555	Gabion Wall Construction (TBC LHS)	2 days	2012/5/8	2012/5/5	1554				·	L	1	·	5	- ¹	- 9 -	11	_ <u> </u> '		·	
1556	Backfilling	30 days	2012/5/10	2012/6/13	1555		1	1		1	1	· · · ·	2		- 12 L	111	민민		·	4
1557					and an an on the backhold the second second second		1			1	2.1	1	·	·	. !! .	11	'		·	- <u>-</u> -
1558	Gabion Wali (Ch 400-450 RHS) TR1 (replaced by AD1)	30 days	2011/1/3	2011/2/1			1			1	2.2.2				. 12 .	1 : 1	'		·	4
1562	Gabion Wall (Ch 400-450 LHS) TR1 (replaced by AD1)	0 days	2012/2/7	2012/2/7		dul 1531	1	,		1		1		1	12	. :•	7/2		i	
1567	Maintainence Staircase (Ch 420 LHS)	77 days	2012/2/3	2012/5/9			1				·	·	7		91				1	<u>_</u> <u>'</u> _
1568	Formwork and concreting	4 days	2012/2/3	2012/2/	1526FF		1			ī					- ú -	11	· .		1	<u> </u>
1569							1	,		ī 	·	1		-,	- 0 -	11				1.
1509	Step 5 (Ch 410)	19 days	2012/4/16	2012/5/9	1	TP3	t 7	1 ÷			·		r = .	-1	- 0 -	17	Ψ.			012
1570	River Bed Formation (Ch400-410)	2 days	2012/4/16	2012/4/11			t	,		F			۲ <u>.</u> .	-,	- n -	17	6."			
1571	Construction of Step 5 (Assume Mass Concrete)	2 days 10 days	2012/4/18	2012/4/30			+	1		F		· ·		-1	- 13 -	7	ΓĒ.			
		7 days	2012/5/2	2012/5/			+	,		7				-1	- 11 -	1 7	` [ĥ-'			111
1573	Construction of Stilling Basin (Assume Precast Conc Blocks)	/ days	2012/342	2012/3/3			+	i				· (+	-1	- 14 -	1 1	-" -"		1	
1574	1	1					1			<u> </u>						لمحسبا	ي الم		است	
			-						FRANK	1011212121		_								
معقور	Master Break (Aust D. Aast) 任務 [王王王王王王] 里程碑 ◆		上願型任務		上願型進度		● 外部	任務			摘要群組									
wised 期: 201	master Frog (Aug (MA) (上顧型里程碑 🔷		分割			擒要	Construction of the	anne 🕸	期限	Ŷ								
*** ****	温泉	• •					· · · · · · · · · · · · · · · · · · ·		-											

100 SI 1816	任務名稱	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		2012年		at a set of the set of	013年	
Berevi Jacil		-1290)	Distance of the	1000			H2	H	H2	Hì	H2	H1	H2	H 1	H2	HI		H2	HI	
575	River Bed formation (Ch 410-450)	10 days	2012/5/10	2012/5/21	-	TP3	and contractions		1	1	1	1	1	1	11	1			- -	1 -
576	Placing Grade 500 too Stone	10 days	2012/5/10	2012/5/21			+		·			1	7 7 7	î	0. []	1	[0]]	!-		1.
577		15-AL-110-00-00-00-00-00-00-00-00-00-00-00-00				1		 1	,	1	· · · ·			-		;		!	_]_	1.
1578	Box Culvert TB01 (Cb 450)	40 days	2011/3/10	2011/4/29		-	h ·		,							1		i	- [-]	1
	Construction of Base Slab	21 days	2011/3/10	2011/4/2			·	<u> </u>					7		56 ° 1	7 7 7	-		- 17	7 7
1579			2011/4/4	2011/4/29	1.505						$\gamma_{1} = \gamma_{2} + \gamma_{3}$		÷	T	' in - I'	11			- 11	ĩ -
1584	Construction of Wall Stem and Top Slab	19 days	2011/4/4	2011/4/29			} ∙			÷	·		7 7 7		na th	÷ - ·	~ - -	- $ -$	- [-]	7 -
1588									. – – <i>–</i>	÷	·		F	-i	na els		r - -		- -	7 -
1589	Drainage & Footpath (Ch350-450) LHS & RHS	45 days	2012/2/2	2012/3/24						÷			777		na - h	11-1				7 -
1590	Drainage & Footpath (Ch350-450) LHS & RHS	45 days	2012/2/2	2012/3/24	1525		L			÷				-i	ا فر	, u n	+ - -		- -	т -
1591			-				L	, 		·			r		· · • - -	7 -	<u> </u>		- -	7.7
1592	Lighting at CH 350-380	23 days	2012/3/26	2012/4/25		-	1	.		·							Z - -		- 14	
1593	Construction of Drawpits / Ductings	14 days	2012/3/26	2012/4/14	1590	-					-1		+	-1		. <u>.</u>	₽	:-	- 4	+ -
1594	Public lighting Installation (CE2312)	7 days	2012/4/16	2012/4/23	1593	1	F					- i	.	-1		÷	₽- -	!-	- -	4.
1595	T&C	2 days	2012/4/24	2012/4/23	5 1594	1								-1		÷	i	i-		л.
1596	· · · · · · · · · · · · · · · · · · ·			·····		1							1						. <u>. </u>	л.
1597	Ch 450-525	380 days	2011/3/16	2012/6/27	1	1	t ·									1		i-	_ []	1.
598	Retaining Wall (ch 450-500) TR2 (RHS)	50 days	2011/10/3	2011/11/30		TP4	+					-!			· · · 🕊		-		- []	1
1599	Remove Concrete block and shotcrete	7 days	2011/10/3	2011/10/11		h	+			L					ਿੰਜੋ				- 1	
		35 days	2011/10/5		1599SS+4 days		+	J		. i					1 H	÷	-		- 1	
1600	Excavation and Formation		2011/10/18	2011/10/28						i				-!		i * * *			- 11	7.1
1601	Base Slab Construction Bay 1+2 (RHS)	10 days	And the state of t	and the local distance in the second s	Access and the second second second				' -	L			÷	-!	- I.	÷		;-	· - -	- T - 1
1602	Formwork and rebar fixing	8 days	2011/10/18		5 1600SS+10 edays		↓ ·	·	'n						11	÷ - :		;-	· - -	÷.
1603	Concreting	1 day	2011/10/27	2011/10/27			L	1	'	<u> </u>				-'	- 3-18					÷.
1604	Stripping off formwork	1 day	2011/10/28	2011/10/28			L		'	·							[-		· - -	÷÷.
1605	Wall Stem Construction Bay 1+2 (RHS)	13 days	2011/10/29	2011/11/12			1	<u>.</u>	'	. <u>-</u>							[-		· - -	
606	Formwork and rebar fixing	6 days	2011/10/29	2011/11/4					'	·							[-			÷
1607	Concreting	1 day	2011/11/5	2011/11/2	1606	l		1 .		1		· · · · ·				÷				÷.
1608	Stripping off formwork	2 days	2011/11/7	2011/11/	1607		F '	"		ī	2.1)	1						-	
1609	Backfill	4 days	2011/11/9	2011/11/12	2 1608		F	۰ r	,			- 1°	т. <u>с</u> . –	ł					-	÷.,
1610	Base Sigb Construction Bay 2 (RHS) del	0 days	2011/10/28	2011/10/28			+	n n.r. r				- 12	F	-,	`°] (28/10				÷.,
1614	Wall Stem Construction Bay 2 (RHS) del	0 days	2011/10/28	2011/10/28	1	1	+	η -		· ·			r	-,	'' 14	28/10				1
1619	Base Slab Construction Bay 3 (RHS)	10 days	2011/10/29	2011/11/9			+	r			-1	- 1		-1	· · · · •	- ĩ			· ~ []	
		8 days	2011/10/29	2011/11/				-1		·		- 1	•	-;	· • 1	± -				
1620	Formwork and rebar fixing	and the second	2011/10/29	2011/11/	the second		+				-1	- 1	÷	-1	- '* 1 '	* + -			- -	
1621	Concreting	1 day	the second s	2011/11/	and so that the same state of the second state of the		+				~1 = =	- !	L	-1	- '* - `	* + -		:-	· - [-	1
1622	Stripping off formwork] day	2011/11/9			ļ	+				-'		L		- '* -	11 - -		!-	• • •	1
1623	Wall Stem Construction Bay 3 (RHS)	13 days	2011/11/10	2011/11/24			4 1			. <u>i</u>			L	! ·	ן בי -	÷ -	-			1
1624	Formwork and rebar fixing	6 days	2011/11/10	2011/11/16				J	·		- ¹	- i	L	-1	- '* - -	P+⊥ -		··-		1 -
1625	Concreting	1 day	2011/11/17	2011/11/17			L	J	·	. i	2		1	-1	-94	↓ :			· - i-	1-
1625	Stripping off formwork	2 days	2011/11/18	2011/11/19			1		1	. i	2	- ·	·	·	-94	4 4 -		¹ .	· - -	1
1627	Backfill	4 days	2011/11/21	2011/11/2/	4 1626			1	·	1	1		1	·	-94	1 -			-	1
1628	Base Slab Construction Bay 4 (incl. Step 6)(RHS)	10 days	2011/10/20	2011/10/31		1	T	4		1	·		·	- · - · ·		11 -		!	-	1.
1629	Fornwork and rebar fixing	8 days	2011/10/20	2011/10/20	8 1602SS+2 days		r			1				1	<u> 1</u>	1.		!	-	1 -
1630	Concreting	1 day	2011/10/29	2011/10/29	1629		1					1	i	1	1.8	1 .		!	_	12
1631	Stripping off formwork	l day	2011/10/31	2011/10/3	1630		t 1		· ,		-,			·	1.	1 -		1		11
1632	Wall Stem Construction Bay 4 (RHS)	13 days	2011/11/1	2011/11/19										-,	- i - i			1		1
	Formwork and rebar fixing	6 days	2011/11/1	2011/11/		+	+	· ·		·				-,	- n -	17				17
1633			2011/11/8	2011/11/			+	n - - -		·		- -	7	~, ·	- n -	Ĩ ï Ť				T.
1634	Concreting	1 day					+	-				- ,			- n - [T -	1-		-	7
1635	Stripping off fornwork	2 days	2011/11/9	2011/11/10			+				n	- 1	r	-1	- n -	77 -			-	т
1636	Backfill	4 days	2011/11/11	2011/11/1			4			F			r	-,	- n -	- r			· - -	T
1637	Base Slab Construction Bay 5 (incl. Step 6) (RHS)	13 days	2011/11/1	2011/11/15			+ ·					- 1	÷	-1	a T	- r -			-	-
1638	Formwork and rebar fixing	8 days	2011/11/1	2011/11/							-1	- 1	+	-,	- 1-1 -	₽ , ÷.		t-	-	
1639	Concreting	l day	2011/11/10	2011/11/16	0 1638											h			L	<u>L</u>
	任務 [1-1-1-1-1] 単線線	•	上版型任務		上版型進度		,5LA	邻任務	1000	Ringel I	緩要詳組	_		•						
evised	Master Prog (Aug10-Apr1)	•							COLUMN TO A	10000000		ų,	-							
195-201	1/7/26 油度 描题 摘要		上新型里程碑 🛇		分割			R筠要	V		期限	~								

25.210 E	任務名綱	工期	開始時間	完成時間	前置任務	資源名編		2008年		2009年		2010年		2011年		2012年		2013年	<u>+</u>	
MA123143	1703.0-144		100 ALCONING	2011-0-01-0			H2	HI	H2 ·	H1	H2	HI	H2	H1	H2	Kl	H2	H		H2
1640	Stripping off formwork	4 days	2011/11/11	2011/11/1	1639			1			1	1	1	1	11	hi			1 1	
1641	Wali Stem Construction Bay 5 (RHS)	13 days	2011/11/16	2011/11/30)					1		i		1	9		I-	- <u>-</u> -	1 1	
1642	Formwork and rebar fixing	6 days	2011/11/16	2011/11/2								1			<u>.</u>	6		· ·	1	
1643	Concreting	1 day	2011/11/23	2011/11/2	1642										- i - 1	147	-1	:	11.1	
1644	Supping off formwork	2 days	2011/11/24	2011/11/2			+					, '			- 6 - E	10			17	
	Backfill	4 days	2011/11/26	2011/11/30							-,	1	7.7.7.7	1	- ñ - j	177			17	
1645			2011/11/23	2012/1/31		TP4					-,				- <u>6</u> -				17	
1646	Retaining Wall (ch 450-500) TR2 (LHS)	54 days				1.2.4			17		-,		7		- 0 - T	1			11 7	
1647	Demolition of House 2 Sha Po Tsai	7 days	2011/12/2	and the second state of the second state	1649SS-7 edays		↓ _						7	·,	- 6 -	1			- 7	
1648	Excavation and Formation for TR2 Bay 1 to Bay 3	14 days	2011/11/23	2011/12/							-,		r ·		- 0 -	₩ 3			- T	
1649	Excavation and Formation for TR2 Bay 4 to Bay 5	14 days	2011/12/9	2011/12/2			L			- 	-,		r ·	·	- 17 -	Ш			Η τ	-
1650	Base Slab Construction Bay 1+2 (LHS)	10 days	2011/12/6	2011/12/16						<u>.</u>		·		·	- 19 -				H +	-
1651	Formwork and rebar fixing (with DWF)	8 days	2011/12/5		1648FS-3 days							·	+	·	- 14 -			- :	4 +	
1652	Concreting	1 day	2011/12/15	2011/12/1	5 1651										- 1-1 -	- H		÷	4	
1653	Stripping off formwork	1 day	2011/12/16	2011/12/10	5 1652										- 1.8 -	H			1	
1654	Wall Stem Construction Bay 1+2 (LHS)	11 days	2011/12/17	2011/12/3											1.4				11 -	-
1655	Formwork and rebar fixing	5 days	2011/12/17	2011/12/2	2 1653	******									1.8	14::		- L L	1	_
1656	Concreting] day	2011/12/23	2011/12/2	3 1655	1										11			1 1	_
1657	Stripping off formwork	1 day	2011/12/24	2011/12/2	1656	alan and the second sec		J								1 I			11.5	_
1658	Backfil	4 days	2011/12/28	2011/12/3				<u>,</u>											17 7	
1659	Base Slab Construction Bay 2 (LHS) del	0 days	2011/12/16	2011/12/10			⊦ − − ·			1			÷			16/12				
		0 days	2011/12/16	2011/12/10			} ∙	de e e		<u>+</u>	1					6/12			11 7	-
1663	Wall Stem Construction Bay 2 (LHS) del			2012/1/12								<u>`</u>			- 2 -	- 1			117	-
1668	Base Siab Construction Bay 3 (LHS)	10 days	2011/12/31				└			<u>i</u>					- 2 -	T			11 1	-
1669	Formwork and rebar fixing (with DWF)	· 8 days	2011/12/31		0 1648,1680			1 - 1 -			din na s	·			- 2 -				H -	-
1670	Concreting	1 day	2012/1/11	2012/1/1			L							j-	- 2 -				H÷	-
1671	Stripping off formwork	ì day	2012/1/12	2012/1/1			L							·		-	-1		1-1 -	-
1672	Wall Stem Construction Bay 3 (LHS)	11 days	2012/1/13	2012/1/2			L	·		·										-
1673	Formwork and rebar fixing	5 days	2012/1/13	2012/1/1	8 1671,1684			1	·	1							-[-
1674	Concreting	l day	2012/1/19	2012/1/1	9 1673	1	Г ·			T T			·						1	-
1675	Stripping off formwork	1 day	2012/1/20	2012/1/2	0 1674		r ·			Ţ		1		1	1.8		-		1.	-
1676	Backfill	4 days	2012/1/21	2012/1/2	8 1675	1	t '			ř = -		1	r							-
1677	Base Slab Construction Bay 4 (incl. Step 6)(LHS)	10 days	2011/12/17	2011/12/30	1		 -			r	-,	1			- 14 -				11.	_
1678	Formwork and rebar fixing (with DWF)	8 days	2011/12/17		8 1649\$\$+7 days					+		1		-1	- 1-1 -				11.	-
1679	Concreting	l day	2011/12/29	2011/12/2	A		+			+		1		-1	- 14 -	1 11				-
1680	Stripping off formwork	l day	2011/12/30	2011/12/3			+	-1		+		1			- 14 -	1 前		- !	11.	-
		and a sub- and succession and the	2011/12/31	2012/1/1				4		+		1	L	-1		1 🕮		- i= =	11 1	-
1681	Wall Stem Construction Bay 4 (LHS)	11 days	and the second	2012/1/1				J	.'	÷ – –	2		L		- 11 -	1 1			11 1	-
1682	Formwork and rebar fixing	5 days	2011/12/31					۔ ۔ ۔ ا	·	L	-'	! <u> </u>	<u>'</u>		- 12 -	1 1			11 1	-
1683	Concreting	1 day	2012/1/7	2012/1/				J	.'	1		1	<u>-</u> -	-'	- 12 -	4			11 1	-
1684	Stripping off formwork	l day	2012/1/9	2012/17						<u>i</u>	2	1 =	<u>-</u> -	-'	- '			- 1	Н÷	-
1685	Backfill	4 days	2012/1/10	2012/1/1			L	1	.'	L	2	·	<u></u>	-'	- 12 -	1		- '	H -	-
1686	Base Slab Construction Bay 5 (incl. Step 6) (LHS)	12 days	2011/12/31	2012/1/1-				1	.'	£	1	·	<u>'</u> _ ~	-'	_'*				14 -	-
1687	Formwork and rebar fixing (with DWF)	7 days	2011/12/31		9 1649,1680		L	1	.'	£	1	·	<u>-</u>	.'	- 14 -	H			14 -	-
1688	Concreting	1 day	2012/1/10	2012/1/1	0 1687			1	'	i		·	<u>'</u>		_'? _	↓ .₩				-
1689	Stripping off formwork.	4 days	2012/1/11	2012/1/1	4 1688			1	·	£ _ `		·	·		- '? -	山北 -			4 -	-
1690	Wall Stem Construction Bay 5 (LHS)	11 days	2012/1/16	2012/1/3	L		[]	1		L		I	·		- '! -					-
1691	Fornywork and rebar fixing	5 days	2012/1/16	2012/1/2	0 1689	and the facility band most to make	Г I			1	-,	I		1	11					-
1692	Concreting	1 day	2012/1/21	2012/1/2	1 1691	1				ĩ	-,	1	í	"I		11				_
1693	Stripping off formwork	l day	2012/1/26	2012/1/2	5 1692			<u> </u>		1		10.00		-,	- 0 -	11 16 -			1	
1694	Backfill	4 days	2012/1/27	2012/1/3			+	а		7	-,	1			- הי	176			ירן	-
1695	Decanu	- Gaya	2012/1/2/			+	·	n -		r				-1	- רי	1 7 1 -			17	-
	D 1		2012/62	2012/5/	,	• • • • • • • • • • • • • • • • • • • •				₇	-,	1	÷		- in -	1 : 🗉	-		1 1	-
1696	Drainage & Footpath (Ch 450-490 RHS)	1 day	2012/5/2							F			+	-1	- 11 -	• - 1		- 2		-
1697	Construction of drainage & footpath	1 day	2012/5/2	2012/5/	6		L				<u>.</u>					للمع مع ما الم			مد ــــالــالـ	-
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	Martine Brane (Averal Averal 任務 ETTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT		上願型任務		上航景進度		外部	8任務		2195516	摘要群组									
levised 1期:201	Master Prog (Aug10-Apr1)		L版型里程碑 🔷				-	(接受	(granners)	all states and states a	期限	卫								
	10.0.01 25.05 投爆		T REAL PROPERTY AND A REAL																	

的时间 参判时间 参判于 专利用 专利用 专利用 专利用 参判于 专利用 专利用 专利用 专利用 专利用	任務名稱	工期	開始時間	完成時間	前置任務	資源名稱		2008年		2009年		2010年		2011年		20	12年		2013年	
electroline2	1269-6249		PRINCE AND A	ADAGENTED	CALCULATE ALLONG	1.00	H2	H1	H2	H1	H2	HI	H2	Hl			HI	H2	HI	H
1698	Retaining Wall (Ch 500-530) TR3 (RHS)	290 days	2011/3/16	2012/3/6	1			1		1	1	1				1 1	·: .		1.1	
1699	Base Sisb Construction Bay 1 (incl. Step 7) (RHS)	28 days	2011/3/16	2011/4/18		1	t '	·				1	1		19 I	11			' I	12-
1704	Wall Stem Construction Bay 1 (RHS)	10 days	2011/4/19	2011/5/3			F I		12	1				1					I	111
1709	Base Stab Construction Bay 2 (incl. Step 7)(RHS)	20 days	2012/2/1	2012/2/23	1	TP4				777				1	19				·]	1
1710	Excevation and Formation	12 days	2012/2/1	2012/2/14	1694,1685		t '	·				1			- 1 E				°	1
1711	Formwork and rebar fixing	6 days	2012/2/15	2012/2/21	1710		t			1			;	1	- · k -	1 ī			·	
1712	Concreting	1 day	2012/2/22	2012/2/2					-,	ī				-,	- "k -	11	6 - 1			
1713	Stripping off formwork	1 day	2012/2/23	2012/2/23				·		1.7.7	2222	·	ī	-,	- 11	11	ĥ. – –			L
1714	Wall Stem Construction Bay 2 (RHS)	10 days	2012/2/24	2012/3/6	1		î -·- ∶			7	-,		Ţ =	-,	- <u>(</u> () -		. .			
1715	Formwork and reber fixing	4 days	2012/2/24	2012/2/28	1713		t '	·		T T T.				-,	- גי -	1 7	6		-	
1716	Concreting	· 1 day	2012/2/29	2012/2/25				η - · ·		r - -	-,	· ·	T			1] [ĥ.			
1717	Stripping off fornwork	1 day-	2012/3/1	2012/3/1			1						*			17 7	11			
1718	Backfill	4 days	2012/3/2	2012/34			+	-1	1			- 1			- 14 -	1]])[: [1		
1719										+		. !				11				
1720	Cascades (Ch 500 LHS)	28 days	2011/10/3	2011/11/4		TPS		1						-:						1 L
1721	Water Diversion	7 days	2011/10/3	2011/10/11	-l		t	·								6	112 2			1
1722	Excevation	7 days	2011/10/12	2011/10/19			+	·								E.	11			
1723	Formwork and rebar fixing	12 days	2011/10/20	2011/11/2			t	·								L.	1 - ^		1	
1724	Concreting	1 day	2011/11/3	2011/11/2			+			1	1.5	.'	177	-'		Ĩ.	11		1	0120
1725	Stripping off formwork	l day	2011/11/4	2011/11/4		1	÷	J	-:	1						IT.	1	17.7.7	1	
	Supping oil lemwerk	1 GAY	2011/104	- AVLATIN	11111		<u>+</u>		-:			· ;		-;	- 11 -	1	1		17.71	
1726			2011/11/4	2012/1/10		+	+	:		÷	-1 - 7 -	- :	÷	155		فنتنا	-11	7		177
1727	Retaining Wall (Ch 500-530) TR3 (LHS)	55 days	2011/11/4	2012/1/10	A CONTRACTOR OF A CONTRACTOR O		+			÷		·					11	11 7 7		177
1728	Base Slab Construction Bay 1 (incl. Step 7)(LHS)	18 days	2011/11/4 2011/11/4	2011/11/24		TP5	+					•;		-;		LTP5	11		· , !	1 7 -
1729	Remove Concrete Block and shotcrete	4 days			1729FS-2 days	IPS	+		-;		-i ·			-i	- 11 -				· '	1
1730	Excavation & blinding	6 days	2011/11/8	2011/11/2			+				5			-,	- n - "				·	77
1731	Formwork and rebar fixing (with DWP)	7 days	2011/11/15				+					·	·	-i	- in -				· (* * *	1- 7 -
1732	Concreting	l day	2011/11/23	2011/11/2			+						,	-,	- n -		1		(n n)	- 7 -
1733	Stripping off fornowork	I day	2011/11/24	2011/11/2/			+			- 	-,		r	-,	10.0				· '	
1734	Wall Stem Construction Bay 1 (LHS)	10 days	2011/11/25	2011/12/6			+						r	-1	- 13 *		-11		·	
1735	Fornwork and rebar fixing	4 days	2011/11/25	2011/11/2			÷			÷	-1		r		- 11 -	- b .	-11		'	
1736	Concreting	1 day	2011/11/30	2011/11/3						÷			*	-1			-11		· ;- =	l-l → -
1737	Stripping off fermwork	1 day	2011/12/1	2011/12/	a second s		1	·		+		- t	÷	-1	- 1-2 -				- i i	
1738	Backfill	4 days	2011/12/2	2011/12A			1			+			L	-1	- 1-2 ~	L.h.			- i	
1739	Base Slab Construction Bay 2 (incl. Step 7)(LHS)	19 days	2011/12/5	2011/12/28			1			+			L	-1	- 14 -					
1740	Remove Concrete Block and shotcrete	4 days	2011/12/5		8 1738FS-2 days					1			L	_1	_ 1.8 _				- + <u>-</u> -	
1741	Eacavation & blinding	6 days	2011/12/9	2011/12/13						1	2.5.5.		L	.	_ 1.8 _	11	4		· · -	
1742	Formwork and rebar fixing (with DWF)	7 days	2011/12/16	2011/12/2		1				1 <u>-</u> -	1		L		. 13 -	11 🖗	4		- <u>-</u> -	
1743	Concreting	1 day	2011/12/24	2011/12/24	1 1742		T	1		1			<u> </u>	_1		11 🖶	-11		- <u>-</u> -	
1744	Stripping off formwork	l day	2011/12/28	2011/12/2	8 1743			1		1	2		1	- ¹	- 13 -	山山	-11			4
1745	Wall Stem Construction Bay 2 (LHS)	10 days	2011/12/29	2012/1/10)	1	T	1		1		·	<u> </u>	-'	1.9.1			·		4
1746	Formwork and rebar fixing	4 days	2011/12/29	2012/1/	3 1744		T		-,				<u> </u>	-i	. 12 .	11 14	I	1	·	4
1747	Concreting	1 day	2012/1/4	2012/14	1746	1			-,		1	1		1		1.5	4		·	
1748	Stripping off formwork	1 day	2012/1/5	2012/1/	5 1747		T				<u> </u>	1			11	1.5	4			1
1749	Backfill	4 days	2012/1/6	2012/1/10	1748	1		1		ī 		1	ī		11	Шħ	- I	I /		14 4 -
1750								5		ī 			ī - "	-,	- Q -	1 1			1	1
1751	Drainage & Footpath (Ch 490-525 RHS)	30 days	2012/3/2	2012/4/10) 	1	t			7	·	1	Ŧ	- f	- ų -	111	Ψ.		1	11
1751	Construction of drainage & footpath	30 days	2012/3/2	2012/4/1			t	л- ⁻ -		ī 	·		7 - -	-,	1.0	1]]	П			
1752	CONSIDERATION OF ADDRESS OF DAMAGES AND ADDRESS ADDRES				1	-	t	η			·		r	-,	- 12 -] ĭ]			
1754	Footbridge TB07 (Ch 525)	205 days	2011/10/3	2012/6/12	1	TP6	+			T		- 1	r	-1	די -			1		
1755	Temporary Pedestrian Division	15 days	2011/10/3	2011/10/20			+			r	-1			-1	- '1	7	1	·		17.1
		15 days 14 days	2011/10/3	2011/10/2		TP6			- (F			•	-1		T TP6	1	·	·	11.
1756	Temporary Pedestrain Division (at grade)	14 days	2011/10/3	2011/10/20	1110	110							<u> </u>			الشتالة		<i>_</i>		
		•							New York and	100000000000000000000000000000000000000	-									
Avisad	Aaster Prog (Aug10-Apr1 任務 EEEEEEEEE 里程碑	. ♦	上願型任務		上願型進度		外 外部	部任務	Carteria and a	12-12-12-12-12-12-12-12-12-12-12-12-12-1	摘要群組	_								
evised n [規] 2011	aaster Prog (Aug to April		E願型里祭碑 🛇		分割		. N	解搁要	(January 1997)	en mainte	期限	· - 산								
	740.5. 719.35																			

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

	(大歌々前)	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		20	12年		2013	4
ag 5925	任務名稱	T%1	helteret for	7520910	MULTERN	A4645119	H2	81	· H2	HI	H2	HI	H2	HI	912	1	H)	H2	н	n
1757	Demolition of existing Footbridge TB-D (Ch 525)	3 days	2012/6/9	2012/6/12		-	1	J	1	1		1	1	1	11	1			_ !	1 1
1758	Remove concrete pipes and demolition works	3 days	2012/6/9	2012/6/12			t ·					1			0	ī]]]		1	
1759	Construction of Abutment A	28 days	2011/10/28	2011/11/29	•		1					1			- 1 K - 1	3	1	T		11.2
1760	Excavation and Blinding	7 days	2011/10/28	2011/11/4			+			1				-,		<u>1</u>	1 - 1	1		D 7
1761	Formwork and rebar fixing for base slab	5 days	2011/11/5	2011/11/10		+	+								- n - P	6.7	1 - 1	1		ייתן
1762		l days	2011/11/11	2011/11/11		*****	+		,	· ·			-	1777	in Th	17	1	1		11 7 1
	Concreting of base slab		2011/11/12	2011/11/15			+		,		-,			-,	na - P	* 1	1 - :	1		117
1763	Stripping off formwork	3 days		2011/11/15			+				-,		7 7	- <u>,</u>	ta rh	Ľ.		1		117
1764	Rebar fixing and shuttering formwork for column	4 days	2011/11/16				+			7			r	-; ·	n - h	t i		1 1		
1765	Concreting	l day	2011/11/21	2011/11/2			+ 1				-,			-,	· n - ŀ	tra l				
1766	Stripping off formwork	3 days	2011/11/22	2011/11/24			.+ ·	-,		r ·	-,		r		·	Pr		4 1	- ;	4 -
1767	Backfill	4 days	2011/11/25	2011/11/29												• •	<u></u>	I-		- - + ·
1768	Construction of Abutment B	33 daya	2012/2/15	2012/3/23	1		L			· ·		. 1	+	-i	- 14	1	÷	4		+ -
1769	Excavation and Blinding	12 days	2012/2/15	2012/2/28			1		1	· ·				-1			¶		- i	
1770	Formwork and rebar fixing for base slab	5 days	2012/2/29	2012/3/	5 1769				1	· ·		·	.	-1	. 14				- 1	
1771	Concreting of base slab	1 day	2012/3/6	2012/3/6	5 1770							1	L	-1		4	<u> </u>			
1772	Stripping off fornwork	3 days	2012/3/7	2012/3/5	1771		T						1		ا م قار		Jan 1.			. [.]
1773	Rebar fixing and shattering formwork for column	4 days	2012/3/10	2012/3/14	1772		T '				1			-t		1	_h			
1774	Concreting	1 day	2012/3/15	2012/3/1	5 1773							1		1			- b			11.
1775	Stripping off formwork	3 days	2012/3/16	2012/3/19	1774		r								1	1	<u> </u>			11 1
1776	Backfill	4 days	2012/3/20	2012/3/2	3 1775			<u></u>		± = = .	-,	1				1 "	Ē	1	1	11
1777	Footbridge TB07 (Ch 525)	31 days	2012/5/22	2012/6/27			t t	1		÷ ·				1		1 1	- 1 W	•		117
1778	Construction of decking	16 days	2012/5/22	2012/6/2						÷ ·	-,					1 1	1	1		
1779		- (a),	2012/5/23		1796,53		+			÷ ·			7		- <u>6 - 1</u>	1 1		<u> </u>		11 7
	litertion of stori due, o cone due,	-> Cay, I Navizy, I	BLEVES BLEVES	2017-04													- -18	4		11 7
1780	Deck fielding No		371.85.39 301.265	892709 892709				-,		÷		·		·	- <u>i</u> -	1 1	- - 4	616		1
1781		O ciaya	2012/97	2012/14			+				-, ·		7 ⁻ -	1 7 7	- a - h	17	1			117
1782	Robey installation	المنتقل في		2012/6/20							n			-,	- o - h	7		9		117
1783	Footbridge TB07 Lighting	15 days	2012/6/9				+								- n - E	1 7		7		· - -
1784	Construction of Drawpits / Ducting	7 days	2012/6/9	2012/6/10						- 		·	r		- o			a	- <u>-</u> -	· -
1785	Public lighting Installation (CE2328)	6 days	2012/6/18	2012/6/2				-,		·			-	-1	- n - l			行	- i	· [4]
1786	Public lighting Installation (CE2329)	6 days	2012/6/18	2012/6/2			.L											₩	- :	· - -
1787	T&C	· 2 days	2012/6/26	2012/6/2	7 1786				1		-1		+	-1	ang -ik	- 1		41	- 1	· - + -
1788					1									-1	أحقب			<u> </u>	- (· - + -
1789	Ch 525-615	526 days	2010/10/15	2012/6/27			I							-1	- 14 - 2	- + I		- -		· - -
1790	River Diversion & Remove Conc Block	7 days	2011/10/3	2011/10/1	1 1176					·				-!	ال دن.	ا₊⊥		↓·	- i	. [4]
1791	Retaining Wall (Ch 535-546) TR4 (LHS)	37 days	2011/10/12	2011/11/23	3		Τ					1	L	-1		4		Ь I		. [.] .
1792	Excavation and Formation	14 days	2011/10/12	2011/10/2	7 1790	1	T					1	,			اي ال		h		14 +
1793	Base Slab Construction Bay 1&2 (LHS)	11 days	2011/10/28	2011/11/5)]		1 1				1	1				1		L		
1794	Formwork and rebar fixing	8 days	2011/10/28	2011/11/	5 1792		1					1		·	1.1			·		
1795	Concreting	1 day	2011/11/7	2011/11/	7 1794		t			÷ ·		1		1		61			1	
1796	Stripping off formwork	2 days	2011/11/8	2011/11/			t					1	;			1771		Ь	:	
1797	Wall Stem Construction Bay 1 (LHS) delete	0 days	2011/11/9	2011/11/5			t					1			- <u>,</u> _	ê <u>9</u> /	ii ii	Ь Т. Т.		17
1802	Base Slab Construction Bay 2 (LHS) del	0 days	2011/11/7	2011/11/			+					· ·				ê 7/	1	ŀ,		1 1
1806	Wall Stem Construction Bay 1&2 (LHS)	12 days	2011/11/10	2011/11/23	1		+		,					-,	- G - I			t		17
		Contraction of the second	2011/11/10	2011/11/2			+			÷			7		· · · ·	7.1		h		117
1807	Formwork and rebar fixing	6 days	2011/11/17	2011/11/1			+		,		-,		7		- a - l	4		h		11 7
1808	Concreting	1 day					+				-,		7	-,	- n -	논레		h	- ı	117
1809	Stripping off formwork	1 day	2011/11/18	2011/11/1			+				-,		7 - -	-,		-		t	- ,	· - -
1810	Backfill	4 days	2011/11/19	2011/11/2	1809		+			r	-,		r	-,	- ನ - [-1-1		t		· - -
1811			والمراجع المراجع المراجع المراجع		1						-,		-	-1		$\left\ \cdot \right\ _{T}$		+		· - -
1812	Retaining Wall (Ch 535-546) TR4 (RHS)	36 days	2012/2/29	2012/4/14		TP6	1	-,			-,					11-1	¥-	+·	- ;	- - -
1813	Excavation and Formation	12 days	2012/2/29	2012/3/1										-1	- 1-2	11.1		+		- [-] -
1\$14	Base Slab Construction Bay 1+2 (RHS)	11 days	2012/3/14	2012/3/20	5 1813	[<u>II</u>				
	J.,																			
	任務 [======] 黒程碑	•	上類型任務		上顯型進度		01.9	影任務	increased.		摘要詳組	-		,						
Revised I	Master Prog (Aug10-Apr1	-							Service and the service of the servi	- Di gentana any		÷	•							
199:2011	1/7/26 進度 摘要		L擬型黒栓碑 🛇		分割		專3	和这变	A.		期限	~								

戴別碼	在我名稱	工期	開始時間	完成時間	前責任務	資源名稱		2008年		2009年		2010年		2011年		201	2年		2013年	
82,75923	11.201-0189	1.5%	pt1xt2=x[1]m]	2016 CALING	//ULLLAN	AMPLIE	H2	H1	H2	HI	H2	HI	H2	H1	H2		HI	H2	H1	1
1815	Formwork and rebar fixing (with DWF)	8 days	2012/3/14	2012/3/22	1813	f		1	1	l.	1	1	1	1	11	1	L.		۱	1 1 -
1816	Concreting	1 day	2012/3/23	2012/3/23			+ ·			÷		· ·	· ·		· · · · ·	11-1-	6		1	
1817	Stripping off formwork	2 days	2012/3/24	2012/3/26			} ·			÷				·	1	1171-	ĥ		, I	17 7 7
1818	Wall Stem Construction Bay 1 (RHS) del	0 days	2012/3/26	2012/3/26			+ •			÷					·	11717	201	3	!	11 7 7
1823	Base Slab Construction Bay 2 (RHS) del	0 days 0 days	2012/3/26	2012/3/26			+ ·			÷					· ·	17.	▲ 26/.	3		17 -
	and the second	learne and the second			A					÷					- <u>1</u> -1-	1111		;		11 7 -
1827	Wall Stem Construction Bay 1+2 (RHS)	13 days	2012/3/27	2012/4/14			↓ ·							-; ·	· ·		Ϋ́τ.		I	H
1828	Formwork and rebar fixing	6 days	2012/3/27	2012/4/2		ļ				÷				-; ·		- -	· 🄁 🗄	,		
1829	Concreting	1 day	2012/4/3	2012/4/3			L							-, ·	- 6 - E		∙⊱∔		I	
1830	Stripping off fornwork	2 days	2012/4/5	2012/4/10			L							-, ·		+ ; -	· 🖗 h	, <u> </u>	- e - I	-
1831	Backfill	4 days	2012/4/11	2012/4/14			L				. .					- , -	ււլ	,	- e	
1832	Retaining Wall TR5 Ch (546-596 RHS) TR5 (AD)	306 days	2010/10/15	2011/9/27										-1		4 - -	ļ		!	4
1833	Construction of temp haul road	25 days	2010/10/15	2010/11/8			T			Y		1. 1	b	· · ·		11.1-	+		. j !	
1834	Demolition of Existing structure at slope crest	8 days	2010/11/9	2010/11/16	1833		r			r										
1835	Suspension of Work due to villagers rally	17 days	2010/12/2	2010/12/18		A A A A A A A A A A A A A A A A A A A	f '			5			(h -			1			4
1836	Construction of temporary ground beam	5 days	2010/12/19	2010/12/23	1835	1	t ·			÷				Ľ			- I			
1837	Trinning of tock slope (from downstream to upstream)	73 days	2010/12/24	2011/3/11	Provide the second seco		+			+		!		Ĩ.		117	· - 1			
1838	Install rock dowel	45 days	2011/2/22	2011/4/14			+		.'	÷	<u>'</u>		L			11:1-	· - t			1
			2011/3/10	2011/9/27	A		+	J	·'	1 .	·				·····	111-	· - t			11
1839	Construction of skin wall (from D/S to U/S, from toe to crest)	165 days	2011/5/10	2011/9/27	<u> </u>		+	1	·'	1		·	<u> </u>	J _ 12-3	-3-2		· - †		· [= -]	14
1840					1	-		J	'			'-,		<u>-</u> !	- 13 - Iu	- 14 -	· - ł		- <u>-</u>	11 : -
1841	Retaining Wall TR5A CH546-585 LHS	37 days	2011/11/19	2012/1/4		TP7	↓ ·	1	.'	1	!	'		-*	- 12 - 13	- M	· - +		· [= =]	H
1842	River diversion, Excavation and Formation	24 days	2011/11/19	2011/12/16		[!	.'	1	.'	'		-'	- 12 - [-	<u>-</u>	· - +	(· ' '	
1843	Base Siab Construction TR5A Bay 1 LHS	8 days	2011/12/3	2011/12/12		1	1	!		1	.' _ _ _	' <u> </u>		-'	- 12 - [-		· - +	' -	· ' '	14 5 -
844	Formwork and rebar fixing	6 days	2011/12/3		1842SS+14 eday:	5		1	·	1		L			- 12 - 1	M	†			- ÷
845	Concreting	1 day	2011/12/10	2011/12/10	1844	i.	[]]	1		1		·		<u>'</u>	- '!	L L .			·	
846	Stripping off formwork	1 day	2011/12/12	2011/12/12	1845	1	T	ĩ		1		۱ <u>.</u>		-'		ĽĽ.		(<u> </u>		14
1847	Wall Stem Construction TR5A Bay 1 LHS	9 days	2011/12/13	2011/12/22			T '						· · ·	1	18			- - -		
1848	Fornwork and reber fixing	4 days	2011/12/13	2011/12/16	1846	1		7		ī ·				-1	- n - I				1	11
1849	Concreting	1 day	2011/12/17	2011/12/17	1848	1	t '	а		T	·	1	r					1		U
1850	Stripping off formwork	1 day	2011/12/19	2011/12/19			+	r	-,	ī		1		-,	ן דירי די	I E I	1			בים
1851	Backfill	3 days	2011/12/20	2011/12/22		1	t 1	-,		r		1	r	-1	ן - רי	i řl	†		· -	11
		8 days	2011/12/13	2011/12/21		+		r				1	• • •	-1	- 11 -	ا ا	t			1
1852	Base Slab Construction TR5A Bay 2 LHS		and the balance of the strength									1	+		- 1-1 -	1	†		· !	1 * *
1853	Fornwork and rebar fixing	6 days	2011/12/13	2011/12/19	the second		·					1	+	-:	- 14 -	17-	†		· I	
1854	Concreting	1 day	2011/12/20	2011/12/20						÷		1	÷	-1	- 14 -	∦ ≿∣-	ł		· i	
1855	Stripping off formwork	1 day	2011/12/21	2011/12/21			4 1	4		+		1	± =	-1	- 14 -	- 12 -	• - ł	• •	. :	
1856	Wall Stem Construction TR5A Bay 2 LHS	9 daya	2011/12/22	2012/1/4			L	L		÷		1	L		- 12 -	Υ.	+	· ·		
1857	Formwork and rebar fixing	4 days	2011/12/22	2011/12/28			L	ل		L		t	L	-! !	- 4 -	뭐.		·	· · -	
1858	Concreting	1 day	2011/12/29	2011/12/29			•		·	L		·	1 - -			[월.	+	· ·		4
1859	Stripping off formwork	1 day	2011/12/30	2011/12/30	1858			1	1			·	L		. 9 [[뇞.			- L _	14 2 -
1860	Backfill	3 days	2011/12/31	2012/1/4	1859			,				L	L	. ·		LI.		· ·	. L	4
1861	Base Slab Construction TRSA Bay 3 LHS	8 days	2011/12/3	2011/12/12	1		t '	1				1		1	18			·		11 2 -
1862	Formwork and rebar fixing	6 days	2011/12/3	2011/12/5	1844SS		+			1				· · · ·		Hall.				11 : .
1863	Concreting	1 day	2011/12/10	2011/12/10			+							-, ·	12	161	1			1777
1864	Stripping off formwork	1 day	2011/12/12	2011/12/12			+	-;						·	- ii -	161	1	•	·	17 7 7
1865	Wall Stem Construction TR5A Bay 3 LHS	10 days	2011/12/13	2011/12/23	A contract of the second		+						,	-, ·	- ú - I	. ال	†	·		177
		distances and the second second	2011/12/13	2011/12/16	And a second second second second second second								7	-, ·	- ū -	1 T	†			17 7 7
1866	Formwork and rebar fixing	4 days		2011/12/17			+	-			·,		7 ~ -	-,	- n - I	i til i	†	,		1 7 *
1867	Concreting	1 day	2011/12/17				+				-,			-,	- a - l	-¦₿l·	+		·	
1368	Stripping off formwork	l day	2011/12/19	2011/12/19	A second second second second second second						n		r	-,	~ n -	- P -	ł		·	-
1869	Backfill	4 days	2011/12/20	2011/12/23	1868					· ·	-,	1	r	- <u>s</u>	- 61 -	- L.		,		-
1870					Į.							1	r	-1		ىلە 1	_ - ł	a – –	- :	H
1871	Box Culvert TB02 (ch 580)	39 days	2012/1/11	2012/2/28								1	+	-;	- 1-1 -		◩₋↓			- + -
1872	Haul Road Diversion to TR3 Bay 3, River diversion, Excavation and Blinding	10 days	2012/1/11	2012/1/21	1749											Lih				<u></u>
evised N	aster Prog (Aug10Apr1 任務 []]] 重程碑 ◆				上稿型進度		● 外部	鄂任務			摘要群組	л,		,						
	7/26 進度 摘要		上網型黑程碑 🛇) 新 ,		-	精密要	010100000000000000000000000000000000000		期限	J (

	任務名綱	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		20日年		2012	25		2013年	
10,7383	过769-75144 	-1.391	[01]%-C42[40]	20H/04/1H	BUBLILAN	ANT-DHY	82	H1	H2	H1	H2	Hì	H2	HI				H2	HI	H2
1873	Construction of Base Slab	8 days	2012/1/26	2012/2/3				1		1	1	1	1	1	11		. F			1
1874	Formwork and rebar fixing	6 days	2012/1/26	2012/2/1	1872		f ·			 1		1		-,	- 0 -	E E	Ŀ			1
1875	Concreting	1 day	2012/2/2	2012/2/						1					ĩų.	116	- [·		6 L .	11
1876	Stripping off formwork	1 day	2012/2/3	2012/2/											1.	11 76	Ē		4	1
1877	Construction of Wall Stem and Top Slab	21 days	2012/2/4	2012/2/28	1		t ·			<u>i</u>				-, - <i>-</i>	- 14 °	11 🐨	ı" † י		6 T [7	17.7
1878	Formwork and rebar fixing	6 days	2012/2/4	2012/2/10					,			1			- n - "	II Th	- 1-		I-	1
1879	Concreting	1 day	2012/2/11	2012/2/11			+					,	7	÷,	- n -	11 - 1	- † ·		e - [*	1
1880		in the second	2012/2/13	2012/2/2/			+			7	-,	1	ī - "	-,	- ú -	1 7 8	- 1-		e - 11	1
	Stripping off formwork	14 days	2012/2/13	201.040	10/9					ī	-,	1"	r ·	-,	10.1	17 7	- †•		r - -	1
1881			00101102	2012/3/23		· ·	+			T		1	r ·	-,	- n -		r tr		c - -	1
1882	Retaining Wall TR5A & TR6 CH585-595 LHS	50 days	2012/1/26							r		1	r	-ı	י רי -	1 12	- h		-	{ ㅋ
1883	River/Haul Road Diversion (to TR3 and TR5 RHS)	3 days	2012/1/26	2012/1/2			+				-1	1	e		- 11 -	日示権	- +•		: -	i •
1884	Excavation and Blinding	14 days	2012/1/30	2012/2/14					1	+	-1	1	+	-!	- 14 -	<u></u>	1 - ti		i= - -	 • - ∙
1885	Base Slab Construction TR6 Bay 1 LHS	10 days	2012/2/15	2012/2/2		_	L	4	1	÷		1		-i	- 1-6	- • Y	- +		: -	4
1886	Formwork and rober fixing	8 days	2012/2/15	2012/2/2				4		+		i	L	-1	- 1-8 -	4 + 4	•= +•			· - • ·
1887	Concreting	l day	2012/2/24	2012/2/2		1				+		1	L		- 14 -	+ + 	r- †'		·	
1888	Stripping off formwork	l day	2012/2/25	2012/2/2	the second of the later being the second sec	1	L		12	1		I	L ~ -	_1	_ 14 _	<u>-</u>	- +'		· ·	
1889	Wall Stem Construction TR6 Bay 1 LHS	10 days	2012/2/27	2012/3/8		1		J	·	L	J	1	L		. U	1 2 3	- +		5 - F	4 4
1890	Formwork and rebar fixing	4 days	2012/2/27	2012/3/			L		· ~	i	4	·	<u> </u>	- ^F	19.0	비고북	▶ •		4 - I-	- ÷ - ·
1891	Concreting	l day	2012/3/2	2012/3/	2:1890				1	1		·	1	- i	- 9 -	. #	} _ ↓		· .	4 4
1892	Stripping off formwork	1 day	2012/3/3	2012/3/	3 1891		[1		1		1	<u>.</u>	-!	. 9 .		י∔ _+		· -	4 4
1893	Backfill	4 days	2012/3/5	2012/3/	8 1892		r			1	1	1	·	1	- 13 -		L_ I'		<u>ا ـ ـ ـ</u>	1
1894	Base Slab Construction TR5A Bay 4 LHS	8 days	2012/2/25	2012/3/3	5		f '			1	-,				1.8	1 1	- 1		L _	1
1895	Formwork and rebar fixing	6 days	2012/2/25	2012/3/	2 1887		t ·	1						,	11	11 1 1	Ŀ		:	1 1 1 1
1896	Concreting	[day	2012/3/3	2012/3/	3 1895		t '			7		ı"		·	- <u>1</u>	11 7 7	Ŀŀ		1	1
1897	Stripping off formwork	1 day	2012/3/5	2012/3/			+	.		ī			-		- ú -		E P			
1898	Wall Stem Construction TRSA Bay 4 LHS	10 days	2012/3/6	2012/3/10			+			ī				-,	- 0 -	1 7 9	2 I'			
1899	Formwork and rebar fixing	4 days	2012/3/6	2012/3/						ī					~ ù -	177	[-]'			12
1900	Concreting	1 day	2012/3/10	2012/3/10			t '	n		7		1			- 0 -	177	E 1'			11
1900	Stripping off formwork	l day	2012/3/12	2012/3/1	and the state of t			n - - -		τ	<u></u>		r	-1	- 0 -	† ⊤ =?	F t			1 " - '
1902	Backfill	4 days	2012/3/13	2012/3/1			+			r - -		1	г – –	-t	- 13 -	17 -	r - †'		·	1 * * *
1902	Base Slab Construction TR5A Bay 5 LHS		2012/3/3	2012/3/12			+		1			1	r	-t	- 11 -	17 🖷	b- †'		F	1777
		8 days	2012/3/3	2012/3/12						÷		i	•	-t = -	- 11 -	· † • 7	t - †		: ·	
1904	Formwork and rebar fixing	6 days		2012/3/1			+			+		1	•	-1	- 14 -	11 7 7	*- †'		(·	1 * - :
1905	Concreting	1 day	2012/3/10	2012/3/10			+			+	-'	1		-1	- 1-8 -	+ -	r- †'		i	
1906	Stripping off formwork	1 day	2012/3/12		and the second se				·	÷	-'		L		- 14 -	1 *	"r †'		·	1 * - •
1907	Wall Stem Construction TR5A Bay 5 LHS	10 days	2012/3/13	2012/3/2						÷ = =			L = -	-1	- 1.1 -	- 1	F- †'		· ·	
1908	Formwork and rebar fixing	4 days	2012/3/13	2012/3/1			+	J	·	1	2	L	1111	-!	_ ·J _		₽ - +'		·	4
1909	Concreting	1 day	2012/3/17	2012/3/1				1	·'	i		·	<u></u>	-'	. V.	, - L -	₽ -+'			4 4 - 7
1910	Stripping off formwork	1 day	2012/3/19	2012/3/1				J	' -	1	1	·	L		- 9 -		1 € + '			4
1911	Backfill	4 days	2012/3/20	2012/3/2	3 1910		L	1	·	1	1	1 <u>-</u>	<u> </u>	-'	29.	· [- 4 -			1 · ·	
1912							1	1	'	<u>!</u>		L		_'		<u></u>	- ł'		' ŀ	
1913	Retaining Wall (ch 595-615) TR3 (Bay 3)	36 days	2011/10/3	2011/11/14		6.1	L	1	·	<u> </u>		·		¹	_ !! !	X	_ '			
1914	River diversion, Excavation, and Formation	14 days	2011/10/3	2011/10/1			L		'	: 		·	<u></u>	_'	- 11 -	<u>51</u> ! -	_ ['			
1915	Base Slab Construction Bay 3 LHS	12 days	2011/10/14	2011/10/22	1	1	[\$	1			1		_'	- ' 1	S. 1	- II'		·	
1916	Formwork and rebar fixing	10 days	2011/10/14	2011/10/2	5 1914FS-5 days			1	1	1		·		- ¹		.ų:_	- l'			4
1917	Concreting	1 day	2011/10/26	2011/10/2/	5 1916	1	T I	1		1		1				. <u>L</u>	_ IL'			
1918	Stripping off formwork	1 day	2011/10/27	2011/10/2	7 1917		r '	1		1		1	7	1	- 9	. 6 ! .	_ II'			1
1919	Wall Stem Construction TR3 Bay 3 RHS	6 days	2011/10/28	2011/11/2	3		1 1			ī		17 7 7		1	- 01		[['			1.
1920	Formwork and rebar fixing	4 days	2011/10/28	2011/11/			t '	r		7	-,				- 11 -	6.	[['			1
1921	Concreting	1 day	2011/11/2	2011/11/			t	r		r		1	r		- 12	61			2	
1922	Stripping off formwork	1 day	2011/11/3	2011/11/			t i								- 13 -	67-	- It']]]
1922	Wall Stem Construction TR3 Bay 3 LHS	9 days	2011/11/4	2011/11/14						. – –		1	•	-1	- 14 -	÷ -	1- It'			1.
1723	The one consurant INJ Day 3 Lins	y udys	EVID INT	504 D 1 20 1			L				i								,	
									PLUGGICT, PROP	STORES STOR	10000	_								
levised k	Master Prog (Aug10-Apr1 任務 王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王王	▶ .	上職型任務		上類型進度		外部	形任務	部。如何能		摘要群組	-			· •					
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1期: 2011																				

		工期	開始時間	完成時間	前置任務	資源名稱		2008年		2009年		2010年		2011年		2012年		2013年	
1	任務名稱		PURCHU	2000			H2	H1 J	HŻ	Hl	H2	H1	H2	HI	H2	H1	H2	HI	
924	Formwork and rebar fixing	4 days	2011/11/4	2011/11/2	1922	-	1		1			1	1	1		1	·	·	44
925	Concreting	1 day	2011/11/9	2011/11/5	1924		1	,		,		ι			i b		·	·	12
926	Stripping off formwork	1 day	2011/11/10	2011/11/10		******	1	,		,		1		,	1	1	•	1	1 :
927	back fill & diversion	3 days	2011/11/11	2011/11/14			+			,					-i - 1			1	17
1928	Concrete Slab (Ch546 - Ch596) LHS	27 days	2012/5/26	2012/6/27			+	,		,				·	477	7 7 7			17
	A ANNALY A ANNALY AND A ANNALY AND A ANNALY AND			2012/6/7			+								· · · ·		5		17
1929	Bay 1	11 days	2012/5/26				+						·		· · · ·	7 1	,	r - 1	17
1930	Excavation/Blinding	3 days	2012/5/26		1911,1779		4							(7	†		17
1931	Formwork and rebar fixing for DWF	4 days	2012/5/30	2012/6/2	the second		4								0.7.7	I - P			1 7
1932	Concreting of DWF	1 day	2012/6/4	2012/6/4			1 '								0	÷ -] - ,	1,	,	4 -
1933	Formwork and rebar fixing for slab	4 days	2012/6/1		5 1931SS+2 days		4									"	*		d -
1934	Concreting of slab	l day	2012/6/6	2012/64								· ·	· ·		14		h	;	- +
1935	Stripping off formwork	1 day	2012/6/7	2012/6/	1934	1	T								1.4	·	L	:	- +
1936	Bay 2	12 days	2012/5/30	2012/5/12			1								14		5		4
1937	Excavation/Blinding	2 days	2012/5/30	2012/5/3	1930	1	1-23	'	+								1		1.
1938	Formwork and rebar fixing for DWF	4 days	2012/6/4	2012/6/	1937,1931		1	'								r	L		1.
939	Concreting of DWF	I day	2012/6/8	2012/6/			+	'	•								1		
1940	Formwork and reber fixing for slab	4 days	2012/6/6		1938SS+2 days		·	'		'		<u></u>	· ·			- - - - - - - - -	1		17
1940		4 cays 1 day	2012/6/11	2012/6/1			+	'					<u>.</u> ·		11		1	; - I	11
3	Concreting of slab	-	2012/6/12	2012/6/1				'		'		'	<u> </u>		· · · · ·	·	7	; I	ПŤ.
1942	Stripping off formwork	1 day					4 1	'	1	'	'	·			9	÷	<u> </u>	: I	rt ÷.
1943	Bay 3	14 days	2012/5/1	2012/6/10	1		. <u> </u>	'		'	'	'		-'	2	÷ - -]	d	: I	H÷.
1944	Excavation/Blinding	2 days	2012/6/1	2012/6/	the second		4	'		L '	'	'		-'	·	2	ŧ	: I	Н÷.
1945	Formwork and rebar fixing for DWF	4 days	2012/6/7		1944,1934		!	'	!	'	'			.'	.'."	·	₩	<u></u>	
1946	Concreting of DWF	l day	2012/6/12		1945,1938			'	!	· '	'	·	<u>'</u>	.'	. 12	1 - I -	h		
1947	Formwork and rebar fixing for slab	4 days	2012/6/11	2012/6/1	1946FF+2 days		1			·'		۰ <u> </u>	<u>.</u>		1		.		4 -
1948	Concreting of slab	1 day	2012/6/15	2012/6/1	5 1947	1				· · · ·		·	· ·	.'			¥	·	61 -
1949	Stripping off formwork	1 day	2012/6/16	2012/6/10	5 1948	3	T			· · · ·	,	1	•			1 	L		(-) ÷.
1950	Bay 4	16 days	2012/6/4	2012/6/21	1			,		-				1	18		7		4 4
1951	Excavation/Blinding	2 days	2012/6/4	2012/6/	5 1944		ר לי		1	· · · ·	,	1	7		0 ° °	7 - I	61		11.1
1952	Formwork and rebar fixing for DWF	4 days	2012/6/12		5 1951,1945	****	-+	,	1	,	,	1			n	7 - -	E		Π.
1953	Concreting of DWF	1 day	2012/6/16	2012/6/10					1	r		1		·i	E	τ - -	Ж		יה
1955	Fornwork and reber fixing for slab	4 days	2012/6/15		1953FF+2 days		+					1			1	~	10	:	17
				2012/6/2	the state of the s			1	:			1	+		14	t	17	i	11
1955	Concreting of slab	l day	2012/6/20						•		(1	+		14	+	17	i	(† * i
1956	Stripping off formwork	l day	2012/6/21	2012/6/2								1		-1	14	÷	<u>-</u>	i	
1957	Bay 5	18 days	2012/6/5	2012/6/27			+					i	L		-	+	ศ	<u>د</u> -	
1958	Excavation/Blinding	2 days	2012/6/6	2012/6/				'		و د د د		1	L		. u	÷	₽	с. –	- ÷
1959	Formwork and rebar fixing for DWP	4 days	2012/6/16		0 1958,1952]		'					1		. U	2	-₩	L _	14 4
1960	Concreting of DWF	1 day	2012/6/21	2012/6/2			1	'		.		L	1			1	유	I	4 -
1961	Formwork and rebar fixing for slab	4 days	2012/6/20	2012/6/2	5 1960FF+2 days	1	T					1			9.11	1	¥	<u>ا</u>	14 1
1962	Concreting of slab	1 day	2012/6/26	2012/6/2	5 1961	1		,				1	1			1	-9	5 - 1	4 -
1963	Stripping off formwork	l day	2012/6/27	2012/6/2	7 1962		T					1			· · ·	1	J		4 4
1964							1	,	;		,	1		1	1.8	1	1	1	1 :
1965	Drainage and Footpath (Ch525-615 LHS & RHS)	48 days	2012/3/5	2012/5/5	1		+		;	.			7	1	1.			۱.	1
1966	Construction of footpath & drainage works	48 days	2012/3/5	2012/5/				,	;	,	,				1.	- Eh		:	1
1967	Lighting at CH 550-610	10 days	2012/5/7	2012/5/17			+	,		,		· · · ·			11	1	,	:	Πī
1968	Construction of Drawpits / Ducting	6 days	2012/5/7	2012/5/1	and the second second behavior to be a second secon		+	,	;	,		,	7	f	14 T T	F	· · · · ·	1 -	11 T
		2 days	2012/5/14	2012/5/1			+						7		-n	_ ī ī	r,		τī
1969	Public lighting Installation (CE2325)	the second se					+	,					7	-,	10 T T	7 7	*,	<u>-</u> -	7
1970	Public lighting Installation (CE2326)	2 days	2012/5/14	2012/5/1			+	,		- 		1	τ	- ₁	· • •	t	k, - ~	:	Η τ
1971	Public lighting Installation (CE2327)	2 days	2012/5/14	2012/5/1:			+			r				-,	· m	F	*,	i	Hт
1972	T&C	1 day	2012/5/16	2012/5/1					;				÷	-,			k,	;	Hч
1973	Removal of existing lighting (CE1600-B2)	1 day	2012/5/17	2012/5/1	1972		1					1				¹		i	H •
1974					1					- 	·		·						Ш.,
	任務 [======] 里程碑 ◆		上顧型任務		上和型進度		外部	trax I	TYNE Y		商要群组			1					
	taster Prog (Aug10-Apr)											τ,	•						
期: 2011.	「1/26 進度 通復 摘要 1		E願型里程碑 🛇		分割			酒要 う	V. and and a state of the state	- H	朝限	- 7							

統別碼 1975 1976 1977 1978	经解 Section 4 - Box Culvert at Ping Long					, She Shan River and Upper Tai Po River	
1975 1976 1977			Revised Ma	ster Progr	amme Au	010 - Apr 2013 Rev (16)	
1976 1977	Section 4 - Box Culvert at Ping Long	工期	開始時間	完成時間	前置任務	現名編 2008年 2009年 2010年 2011年 2012年 H1 H2 H1 H2 H1 H2 H1 H2 H1 H2 H1 H2 H1	2013年 H2 H1 F
1977		0 days	2009/12/9	2009/12/9	1	i i i i i i i i i i i i i i i i i i i	<u> </u>
	Section 4 - Box Culvert (Area A)	0 days	2009/12/9	2009/12/9		9/12	
	Completion of Work at Sociion 4	0 days	2009/12/9	2009/12/9		9 /12	
1979	Section 5 - Landscape Establishemnt Works (Portion B, C, D, E, F, C	1951 days?	2007/9/28	2013/7/4			
1980	Section 5 Landscape Works	1665 days	2007/9/28	2012/7/28			9
1981	Commencement of Works	1 day	2007/9/28	2007/9/28			
1982	Material Submission	120 days	2007/9/29	2008/1/26			
1983	Submission Approval	0 days	2008/2/9		1982FS+14 days		
1984	Landscaping Hardworks	1541 days? 365 days	2007/11/9 2011/1/28	2012/4/19 2012/4/18			-,
1985 1986	Landscaping Softworks Submission of Tree Survey	400 days	2007/9/29	2012/4/18	1981	······································	
1987	Preservation and Protection of Preserved Trees	1550 days	2008/11/2	2013/7/4			
1988	Landscape Establishment Works	1550 days	2008/11/2	2013/7/4			
1989	Completion of Works	0 days	2013/7/4	2013/7/4	1987,1988		
1990						and the second	
	Section 6 - Landscape Establishemnt Works (Portion J, K & M)	1701 days?	2007/9/28	2012/9/8			
1992	Section 6 Landscape Works	1665 days	2007/9/28	2012/7/28			₽ - ′ ' -
1993	Commencentori of Works Material Submission	1 day 120 days	2007/9/28 2007/9/29	2007/9/28 2008/1/25	1003		
1994 1995	Naterial Submission Submission Approval	0 days	2008/2/9		1994FS+14 days		
1995	Sugmission Approval Landscaping Hardworks	1161 days?	2008/11/23	2012/4/19	A CONTRACTOR OF THE OWNER WATER		
1997	Landscaping Softworks	365 days	2011/1/29	2012/4/19	à		
1998	Submission of Tree Survey	400 days	2007/9/29	2008/11/1	1993		
1999	Preservation and Protection of Preserved Trees	1300 days	2008/11/2	2012/9/8	1		·····································
2000	Landscape Establishment Works	1300 days	2008/11/2	2012/9/8	And a second sec		
2001	Completion of Works	0 days	2012/9/8	2012/9/8	1999,2000		-,
2002		1701 days?	2007/9/28	2012/9/8			••••• • • • • • • • • • • • •
2003 2004	Section 7 - Landscape Establishemat Works (Portion L, N & P) Section 7 Landscape Works	1665 days	2007/9/28	2012/7/28			
2004	Commencement of Works	1 day	2007/9/28	2007/9/28		المن من المن المن من من المن من م	
2006	Material Submission	120 days	2007/9/29	2008/1/26	2005		
2007	Submission Approval	0 days	2008/2/9	2008/2/9	2006FS+14 days	9/2	
2008	Landscaping Hardworks	1176 days?	2008/11/8	2012/4/19			
2009	Landscaping Softworks	365 days	2011/1/29	2012/4/19	and all some a summer to be all off had		
2010	Submission of Tree Survey	400 days	2007/9/29	2008/11/1			
2011	Preservation and Protection of Preserved Trees	1300 days	2008/11/2	2012/9/8 2012/9/8			클럽 - 는 - 네 는 -
2012 2013	Landscape Establishment Works Completion of Works	1300 days 0 days	2008/11/2 2012/9/8		2010		8/9
2013	Completion of works		2012/7/0	2012/00			
2015	Section 8 - All Remaining Work at All Portions	1950 days	2007/9/28	2013/7/3			
2016	Commencement of Works	1 day	2007/9/28	2007/9/28			
		1950 days	2007/9/28	2013/7/3			
2017	All remaining works at all Area		2013/6/7	2013/6/7			1/5