



KINGDOM OF CAMBODIA
Nation Religion King



THE WORLD BANK



MINISTRY OF PUBLIC WORKS
AND TRANSPORT



MINISTRY OF RURAL DEVELOPMENT

**PROVINCIAL AND RURAL
INFRASTRUCTURE PROJECT**

IDA Credit No. 3822-KH

Construction Supervision for
Rehabilitation of Selected Secondary-
National, Provincial, and Tertiary Road
Sections and Other Structures
(Contract Ref. No. CAKH008)

**MONTHLY PROGRESS
REPORT No. 2**

September 2010



Submitted by:



The Louis Berger Group, Inc.

Monthly Progress Report No. 2

(30 September 2010)

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1.0 INTRODUCTION

This Integrated Monthly Progress Report presents the start of construction works, the civil works progress and accomplishment, and the equivalent financial status for the reporting month of September 2010.

1.1 Background

The Government of the Kingdom of Cambodia has received a credit from World Bank/IDA toward the Provincial and Rural Infrastructure Improvement Project (PRIIP), which was initially planned to be implemented for three years commencing on March 2004. A Consultant Adviser was subsequently procured to assist MPWT in the implementation of PRIIP to rehabilitate and maintain the Secondary-National Roads (SR), Provincial Roads (PR) and Tertiary Roads (TR) in four provinces: Siem Reap, Oddar Meanchey, Preah Vihear, and Kampong Thom as well as strengthen systems to support road management and development for both national and provincial levels. The Ministry of Public Works and Transport (MPWT) shall be responsible for SR and PR; the Ministry of Rural Development (MRD) shall be responsible for TR. MPWT shall be the Executing Agency for the project.

1.2 Project Component

Initially, the Project comprises of the following civil works contracts:

Agency	Contract Reference Number/ Project Description/ Contractor	Contract Sum	Weight Factor	Contract Time	Site Possession	Start Date
		(USD)	(%)	(Days)		
MPWT	PRIIP-CKP-09-NCB-W-001 Construction of One RC Bridge on PR207 and Two Box Culverts on SNR65 in Siem Reap Province TSK Construction Co., Ltd.	292,361.05	6.74	270	17 Aug. 2010	01 Sept. 2010
	PRIIP-CKP-09-NCB-W-002 Construction of Two RC Bridges and One Box Culvert on PR181-1 and One RC Bridge on PR181-3 in Oddar Meanchey Mohaprum Co., Ltd.	518,010.96	11.93	270	17 Aug. 2010	01 Sept. 2010
	PRIIP-CKP-09-NCB-W-003 Construction of One RC Bridge on PR213 at Preah Vihear Province TSK Construction Co., Ltd.	152,493.49	3.51	270	17 Aug. 2010	01 Sept. 2010
	PRIIP-CKP-ICB-W006 Reconstruction of Road 213 (from Rovieng to Kampong Putrea Existing Bridge) in Preah Vihear Province Sok Sokha Co., Ltd.	3,378,408.44	77.82	240	23 Aug. 2010	08 Sept. 2010
	Total Contract Amount (MPWT)	4,341,273.94	100.00			

Agency	Contract Reference Number/ Project Description/ Contractor	Contract Sum	Weight Factor	Contract Time	Site Possession	Start Date
		(USD)	(%)	(Days)		
MRD	Popel (NR65) – Sophy Village (Ch 0+ 000 – Ch 12+ 050) at Siem Reap Province and two causeways and one pipe culvert Construction.	-	-	-	Not awarded	
	Prasat Lbaeuk – Prasat Village Road at Preah Vihear	-	-	-	Not Awarded	

1.3 Project Location

The project is a joint undertaking between the Ministry of Public Works and Transport together with the Ministry of Rural Development. Projects initially identified and awarded by MPWT for implementation are located at the three northern provinces of the Kingdom of Cambodia. They lie within the neighboring provinces of Oddar Meanchey, Siem Reap, and Preah Vihear. Projects proposed under MRD are located in the Provinces of Siem Reap and Preah Vihear. Please see Project Map following next.

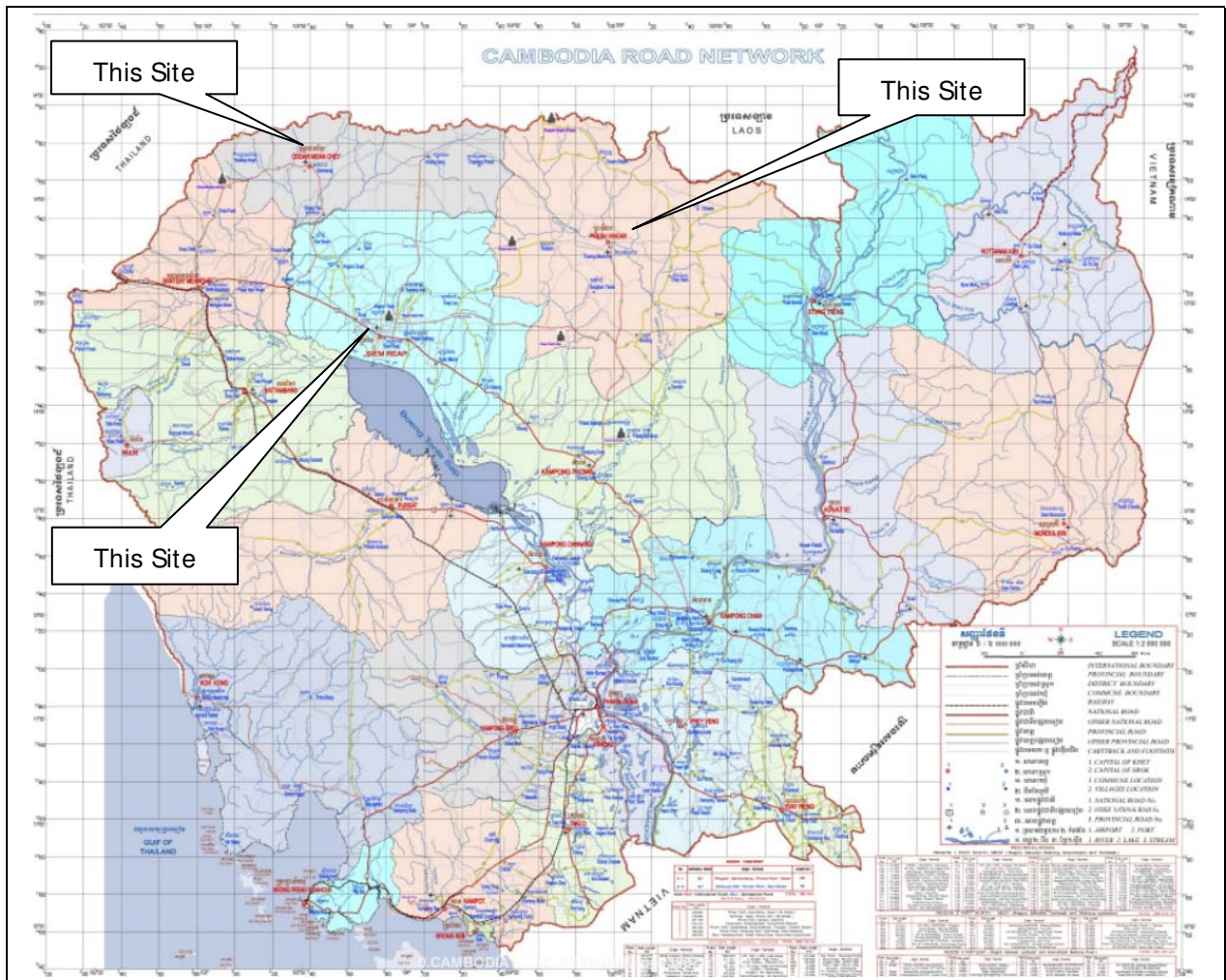


Fig. 1.1
Project Location Map

2.0 ACTIVITIES THIS REPORTING MONTH

Initial activities this reporting month is quite significant for the systematic start of the project. The consultant organized the proper direction and basic strategy for a smooth start of the project. The basic activities are discussed hereunder:

2.1 Mobilization of Construction Supervision Consultants (CSC)

The consultants has mobilized beginning 01 August 2010 and immediately begin with familiarization and review of the contract documents particularly reconciliation of the BOQ and Contract Drawings. The total number of consultants staff this reporting month are as follows:

<i>Name</i>	<i>Title</i>	<i>Date of Mobilization</i>
Ricardo C. Daria	Team Leader	16 September 2010
Ruben V. Pajarillo	Interim Team Leader cum Interim Resident Engineer-I	01 August 2010
Meng Nantara	Quantity Engineer	05 August 2010
Nuon Chamnes	Quality Control Engineer	02 August 2010
Ork Dara	Bridge/Structural Engineer	02 August 2010
Vork Sovann	Site Engineer-1	05 August 2010
Tes Thanarong	Site Engineer-2	05 August 2010
He Lavy	Support Staff at TL Office	02 August 2010
Sam Sam Ol	Laboratory Technician	16 September 2010
Tep Vuthy	Support Staff-1	16 September 2010

Mr. Ricardo C. Daria - the nominated Team Leader as originally proposed for the project mobilized and assumed office on the 16th of September 2010. Consequently, two support local staff moved-in on the same date. Thereafter, Mr. Pajarillo – the Interim Team Leader moved to the position of Interim Resident Engineer-I until such time that the candidate for Resident Engineer-I is on-board.

The Team is temporarily sharing office space with Louis Berger Group, Inc. at the Room 6, Ground Floor of Cambodiana Hotel. It is anticipated that at the onset of September a project office complete with office furniture and equipment will be made available for the consultants. **Figure 2.1** presents the Proposed Organizational Chart of the Construction Supervision Consultants

On 22 September 2010 the Resident Engineer's Office in Siem Reap was set up and established at:

Resident Engineer-I Office

Building No. 377, Street No.14, Khnar Village
Boreay Seang Nam, Siem Reap
Tel./Fax 063 964 032

The center of site operation of supervision consultants being headed by the Resident Engineer is now in Siem Reap. This is considered as the centerpoint of the project areas located at the provinces of Siem Reap, Oddar Meanchey, and Preah Vihear.

The Team Leader is stationed at Phnom Penh and will soon move to the Office Space provided by MPWT.

2.2 Contractor's Mobilization

“Access to and Possession of the Site” were granted by the Employer - Ministry of Public Works and Transport (MPWT) to PRIP-CKP-09-NCB-W-001, PRIP-CKP-09-NCB-W-002, PRIP-CKP-09-NCB-W-003 on 17 August 2010 and PRIP-CKP-ICB-W006 on 23 August 2010. Subsequently, Louis Berger Group, Inc. – the consultants, has given the Notice to Commence to the three NCB Contracts effective 01 September 2010 and for the ICB Contract starting 08 September 2010.

The contractors started their mobilization on schedule and without delay. They have coordinated with the consultants on their initial site works as follows:

- Site Reconnaissance and Survey Verification
- UXO Exploration and Demining
- Foundation Investigations
- Sampling of Materials and Testing
- Identification of Quarry Sites
- Selection of Field offices and Contractors Camp Site
- Other Related Start-up Activities

2.3 Progress of Civil Works

This section presents the integrated physical progress of work for each contract.

2.3.1 *PRIP-CKP-09-NCB-W-001*

Construction of One RC Bridge on PR207 and Two Box Culverts on SNR65 in Siem Reap Province.

- Construct one RC Bridge along Provincial Road PR207
1 - 20m. Span x 7.00m Wide at PK 10+ 290

Activities This Reporting Month:

- Verification Survey – completed
 - UXO exploration and Demining - completed
 - Foundation Investigation – completed
 - Preparation of Shop Drawings for Construction – on progress
 - Sampling of Materials and Testing – completed (See Appendix-3)
 - Concrete Trial Mix (Various Classes) – completed
 - Preparation of casting of RC Piles
 - Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards
- Construct two RCBC on Secondary National Road SNR65:
3 - 3.5 x 2.0 x 12.97 at RN65 PK 16+ 350
- Activities This Reporting Month:
- Verification Survey – completed
 - UXO Exploration and Demining - completed
 - Preparation of Shop Drawings for Construction – on progress
 - Sampling of Materials and Testing – completed (See Appendix-3)
 - Concrete Trial Mix (Various Classes) – completed
 - Construction of the Diversion Road – completed
 - Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards

- 2 – 3.5 x 2.0 x 8.70 at RN65 PK 18+ 500

Activities This Reporting Month:

- Verification Survey – completed
- UXO Exploration and Demining - completed
- Preparation of Shop Drawings for Construction – on progress
- Sampling of Materials and Testing – completed (See Appendix-3)
- Concrete Trial Mix (Various Classes) – completed
- Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards

Implementation of this Drainage Structure (PK18+ 500 SNR65) is being withheld for the moment in abeyance to the resolution of issues and concerns from the local authorities and the surrounding communities.

The local community located upstream of the proposed RCBC would like to preserve the water, apparently for their farming use. But the people living along the roadsides at the proximity of the proposed RCBC complain on the annual flooding that sometime overtop the existing road. The community located downstream would also like to harness the benefit of the water now being preserved upstream for their farming use.

Without the Project the upstream end is like a pond of stagnant water. With the Project the upstream water may also be preserved at optimum level and may flow downstream mitigating flood at the vicinity. However, all the pros and cons of the project must be explained for the understanding of the concerned communities. We are just noting that this concern delays the implementation of the project.

2.3.2 ***PRIP-CKP-09-NCB-W-002***

Construction of Two RC Bridges and One Box Culvert on PR181-1 and One RC Bridge on PR181-3 in Oddar Meanchey

- Construct two RC Bridges at PR181-1:

1-15m. Span x 5m. Wide PK 2+ 670

1-15m. Span x 5m. Wide PK 12+ 190

Activities This Reporting Month:

- Verification Survey – completed
- UXO Exploration and Demining – completed
A total of 3 UXO were found and recovered on-site. MUCC – the accredited UXO disposal expert and subcontractor has disposed the recover UXO the normal way.
- Foundation Investigation – completed
- Preparation of Shop Drawings for Construction – on progress
- Sampling of Materials and Testing – on progress (See Appendix-3)
- Concrete Trial Mix (Various Classes) – on progress
- RC Piles will be purchased from CPAC – an accredited RC Piles Pre-casting Company
- Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards

- Construct one RCBC at PR181-1:

3 – 3.50 x 2.00 x 5.00 at PK 5+ 440

Activities This Reporting Month:

- Verification Survey – completed
 - UXO Exploration and Demining - completed
 - Preparation of Shop Drawings for Construction – on progress
 - Sampling of Materials and Testing – on progress (See Appendix-3)
 - Concrete Trial Mix (Various Classes) – on progress
 - Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards
- Construct one RC Bridge at PR181-3:
2 – 12.00 Span x 5.00m Wide at PK 34+ 318
- Activities This Reporting Month:
- Verification Survey – completed
 - UXO Exploration and Demining – completed
 - Foundation Investigation - completed
 - Preparation of Shop Drawings for Construction – on progress
 - Sampling of Materials and Testing – on progress (See Appendix-3)
 - Concrete Trial Mix (Various Classes) – on progress
 - Construction of the Diversion Road - completed
 - Preparation of casting of RC Piles
 - Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards

2.3.3 ***PRI P-CKP-09-NCB-W-003***

Construction of One RC Bridge on PR213 at Preah Vihear Province.

- Construct one RC Bridge along Provincial Road PR213
1 - 15m. Span x 7.00m Wide at PK 1+ 852
- Activities This Reporting Month:
- Verification Survey – completed
 - UXO exploration and Demining – completed
 - Foundation Investigation – completed
 - Preparation of Shop Drawings for Construction – on progress
 - Sampling of Materials and Testing – on progress (See Appendix-3)
 - Concrete Trial Mix (Various Classes) – completed
 - Preparation of casting of RC Piles
 - Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards

2.3.4 ***PRI P-CKP-1CB-W006***

Reconstruction of Road 213 (from Rovieng to Kampong Putrea Existing Bridge) in Preah Vihear Province

- One RC Bridge 3 Spans (15-20-15) x 6 m Wide and 0.95 Sidewalk at Both sides
- One RCBC 1–1.50 x 3.0 x 10m long
- 3 places RCPC 1-1000mm. diameter x various length (See Drainage Schedule)
- 19 places 2-1000mm. diameter x various length (See Drainage Schedule)
- Road Reconstruction of R213 (18km long).

Activities This Reporting Month:

- Verification Survey – on going
 - Verify and re-established BMs for construction references.
 - Road Centerline Profile -Differences and discrepancies on actual surveyed levels as compared against design shall be

clarified with design consultants and has to be resolved immediately to avoid further delay.

- Road Cross Sectioning
- UXO exploration and Demining – partially completed
A total of 17 Unexploded ordnances were detected and recovered along the alignment specifically on the proposed culvert locations. The MUCC - UXO Disposal experts and subcontractor disposed the recovered UXO the normal way.

However, the contractor is quite skeptical that more UXO maybe present on-site most specially along the road alignment where the proposed road centerline diverts away from the existing road. Thus, they are requesting for additional area to be demined for construction safety purposes. Drawings are under preparation to show critical areas that would require further UXO Exploration and Demining. Upon completion of drawings, site investigation and assessment, additional area for mine clearance will be recommended and requested from the employer.

- Identification of quarry sites
- Preparation of Shop Drawings for Construction – on progress
 - Shop Drawings for RC Pipe Culvert
 - Concrete Trial Mix for RCP
 - Pre-Casting of RCP
- Set up Contractor’s Site Camp
- Sampling of Materials and Testing – on progress (See Appendix-3)
- Concrete Trial Mix (Various Classes) –on progress
- Preparation of Project Information, Environmental and Social Development, and UXO Awareness Signboards
- Setting-up of Aggregate Crushing Plant

Summary of the Progress of Work									
Reporting Month Ending 30 September 2010									
CP	Weight Factor	Percentage of Accomplishment (%)						Variance (%)	
		Planned		Actual				Lead (+) / Lag (-)	
		Percentage		Percentage		Progress	Weighted		
		Completed	Weighted	Previous	To date	This Month	This Month	Contract	Weighted
W-001	6.74	4.09	0.28	nil		4.75	0.32	(+) 0.66	(+) 0.04
W-002	11.93	6.39	0.76	nil		3.86	0.46	(-) 2.53	(-) 0.31
W-003	3.51	13.75	0.48	nil		4.77	0.17	(-) 8.98	(-) 0.32
W006	77.82	12.83	9.98	nil		1.49	1.16	(-) 11.34	(-) 8.82
TOTAL	100.00		11.50				2.11		(-) 9.40
Contract Time		CP	Calendar days		Time Elapsed		Calendar Days		%
		W-001	270				30	11.11	
		W-002	270				30	11.11	
		W-003	270				30	11.11	
		W006	240				22	9.17	

2.3.5 Overall Progress of Work

Based on weight factors and the corresponding percentage of accomplishment of each contract, the total planned and actual progress of work were calculated as follows:

– Total Planned Weighted % of Progress this month	=	11.50%
– Total Actual Weighted % of Progress this month	=	2.11%
– Total Actual Weighted % of Progress last month	=	-
– Actual % of Accomplishment this month	=	2.11%

Figure 3.1 to 3-4: Presents the Work Schedule for Contracts PRIP-CKP-09-NCB-W-001 PRIP-CKP-09-NCB-W-002, PRIP-CKP-09-NCB-W-003, and PRIP-CKP-ICB-W-006.

It can be noted that at this early stage, the Actual Progress of Work lags 9.40% against the Planned Accomplishment. The negative difference of actual and planned accomplishment is an evidence of poor work programming of the concerned contractors. In general the Work Programs submitted are not realistic or attainable. Hence, the contractors will be requested to revise their work program next reporting month. We are hopeful that accomplishment next reporting month would be substantial for a good project start.

2.4 Accident Record

No accident was recorded for the 4 contracts

2.5 Anticipated Problems and Counter Measures

- Presence of UXO

Sok Sokha Co. Ltd. - the contractor for the Rehabilitation of R213 is quite skeptical on proceeding to Clearing and Grubbing works bearing in mind the presence of UXO along the road alignment which were not covered by the UXO Clearance and Demining. It can be noted that the 5 Hectares estimated area from BOQ for UXO Exploration covered basically the locations of the bridge and the proposed culverts. Within this initial area a total of 17 UXO were demined and disposed.

The contractor is preparing drawings that will show the locations where the proposed design centerline significantly diverts away from the existing road centerline. A request that would justify for additional UXO Clearance and Demining.

The Construction Supervision Consultant will of course verify and validate the staked-out alignment on-site, and if necessary, will adjust alignment back to the centerline of the existing road to minimize various impact related to re-alignment.

Additional area for UXO Clearance will be validated on “case-to-case” basis considering among others that urbanized area need not be included in the request.

– Adverse Weather Condition

It seems that rainy days come very late this season. Mobilization and related field activities are being hampered by the adverse weather condition that hindered further the progress of work. Earthwork and other related road works could not be started due to wet weather on site. If this scenario continues to next month, it is anticipated that road works will suffer significant delay.

The contractors were advised therefore to move ahead with the pre-casting works to attain progress, like:

- Pre-casting of Reinforced Concrete Pipes (RCP)
- Pre-casting of RC Piles
- Pre-casting of Bridge Girders
- Other preparatory works
 - Testing of Materials
 - Preparation of Shop Drawings
 - Updating Attainable Work Schedule

2.6 Equipment Schedule

Summary of the Contractors allocated and mobilized equipment on-site is presented on Appendix-1 of this report.

2.7 Staffing Schedule

Summary of the Staff Schedule as well as the Organizational Structure of each Contractor is shown on [Appendix-1](#).

2.8 Progress Photos

Selected photos taken during the site visit are presented in [Appendix-4](#) of this report.

2.9 Site Visits and Community Information/ Participation

2.9.1 Community Information/ Participation Campaign (Project Road R213)

A meeting with the chief of communes along the Project Road R213 was held last 17 September 2010. The meeting was chaired by Mr. Douk Narin – Project Manager of PRIP-MPWT and attended by the Director of the Provincial Department of Public Works and Transport, Chief of Communes, contractor, consultants, and concerned community members.

Salient matters discussed on the meeting were:

- Resettlement Issues
- Community Participation on Environment degradation during construction and its related mitigation measures
- Community Participatory Programs
- Benefits of the Road Improvement
- UXO Awareness
- Complaints Board
- Other matters of concern among local residents

2.9.2 World Bank Technical and Safeguards Implementation Support Mission

The World Bank Technical and Safeguard Implementation Support Mission consisting of:

- Sann Ratha – Infrastructure Operations Officer
- Leng Bunlong – Environmental Specialist
- Nil Vanna – Social Development Specialist

Together with the staff from PRIP-MPWT:

- Douk Narin – Project Manager
- Kim Ponna – Procurement Officer
- Provincial Department Officials of Siem Reap, Oddar Meanchey, and Preah Vihear

Conducted a meeting among project contractors and consultant's staff at Siem Reap. Later, WB Staff with the participation of the contractor for each project, MPWT staff, and the consultants visited the project sites. Schedule of WB visit is presented in [Appendix-1.4](#) for ready reference.

The WB Support Mission emphasized to the group the importance of preservation of the environment and the related social development that would be enhanced during the course of project implementation. The Mission checked particularly:

- o Safety and cleanliness at contractors site camp
- o Traffic Safety
- o Workmen's accommodation and working condition

3.0 FINANCIAL UPDATE

3.1 Contractor's Interim Payment Certificate

The following Table shows the Summary of Contractors' Interim/Certified Payment Certificates. [Appendix 2.1](#) would be left Blank at the moment since no IPC is submitted.

Summary of Contractors' Interim Payment Certificate					
(Reporting Month Ending 30 September 2010)					
CP No.	Description	Related Contract Data		Certified Payments	Remarks
		Original Contract Cost (USD)	Advance Payment (USD)	IPC Amount (USD)	
PRIP-CKP-09-NCB W-001	Civil Works	292,361.05	29,236.10	Not submitted	No Payments made to this Reporting Date
PRIP-CKP-09-NCB W-002		518,010.96	51,801.10	Not submitted	
PRIP-CKP-09-NCB W-003		152,493.49	15,249.35	Not submitted	
PRIP-CKP-ICB- W006		3,378,408.44	337,840.84	Not submitted	
Sub-total		4,341,273.94	434,127.39		
Percentage Works Done and Certified for Payment Based on Original Contract			Percentage Works Done and Certified for Payment Based on Revised Contract		

3.2 Consultants Interim Payment Certificate

The Consultants Interim Payment Certificate/Invoice shall be presented as Appendix-2.3. However, in this Report consultant's IPC will not be included. The used staff months is presented hereunder for ready reference.

Consultants Staffing Schedule				
Staff	Designation	Person-Months		
		Contract	Used	Balance
FOREIGN STAFF				
Ricardo C. Daria	Team Leader	5.50	0.50	3.50
Ruben V. Pajarillo	Interim Team Leader		1.50	
Renato B. Garcia	Resident Engineer-I (MPWT)	5.50	-	5.00
Ruben V. Pajarillo	Interim Resident Engineer-I		0.50	
Mario E. Ricardo	Resident Engineer-II (MRD)	5.00		5.00
Sub-total		16.00	2.50	13.50
LOCAL STAFF				
PRI P-PMWT CONTRACTS				
To be Named	Environmental Specialist	5.50		5.50
Kep Sereivuhthy	Soils/Pavement Specialist	2.00		2.00
Nuon Chamnes	Quality Control Engineer	5.50	1.90	3.60
Meng Nantara	Quantity Surveyor	5.50	1.90	3.60
Ork Dara	Structural Engineer	5.50	2.00	3.50
Vork Sovann	Site Engineer-1	5.50	1.88	3.62
Tes Thanarong	Site Engineer-2	5.50	1.90	3.60
Sam Sam Ol	Laboratory Technician	5.50	0.50	5.00
Sub-Total		40.50	10.08	30.42
PRI P-MRD CONTRACTS				
Ty Sopheak	Quality Control Engineer	5.00		5.00
Chhun Sok	Quantity Surveyor	5.00		5.00
Chhea Chanthou	Structural Engineer	5.00		5.00
Sou Savuth	Site Engineer-1	5.00		5.00
Saing Soveassna	Site Engineer-2	5.00		5.00
Chuon Sokcheak	Laboratory Technician	5.00		5.00
Sub-Total		30.00		30.00
Total Professional Staff		86.50	12.58	73.92
Support Staff				
Tep Vuhty	Administrative Staff - 1	5.50	0.50	5.00
To be named	Administrative Staff - 2	5.00		5.00
Sub-Total		10.50	0.50	10.00
Total		97.00	13.08	83.92

APPENDICES

- Appendix 1 Contractors' Equipment, Staff Schedule, and Organizational Chart**
- Appendix 2 Summary of Interim Payment Certificates and Work Programs**
- Appendix 3 Summary of Testing of Materials**
- Appendix 4 Construction Progress Photographs**

APPENDIX 1

EQUIPMENT and STAFF SCHEDULE

Appendix 1.1 Summary of Contractor's Equipment On-Site

Appendix 1.2 Contractor's Staffing Schedule

Appendix 1.3 Contractor's Organizational Chart

**Appendix 1.4 World Bank Technical and Safeguard
Implementation Support Mission Schedule of Visit**

Staffing Schedule

Personnel	PRIIP-CKP-09-NCB-W-001			PRIIP-CKP-09-NCB-W-002			PRIIP-CKP-09-NCB-W-003			PRIIP-CKP-NCB-W006		
	Plan	Mobilized	Balance	Plan	Mobilized	Balance	Plan	Mobilized	Balance	Plan	Mobilized	Balance
Project Manager		1			1			1			1	
Site Manager		1			1			1			1	
Quality Surveyor												
Road Engineer												
Structural Engineer											1	
Survey Engineer											2	
Survey Aides											4	
Quality Control Engineer		1			1			1			2	
Quantity Surveyor		1			1			1				
Safety Controller											1	
Site Engineer											1	
Construction Supervisor											1	
Foreman / Superintendent		1			2			1				
Skilled Construction Staff											10	
Unskilled Construction Staff		2						2				
Skilled Support Staff												
Unskilled Support Staff												
Mechanics												
Operators/Driver		2			3			2			15	
Financial Manager		1			1			1			1	
File Clerk												
TOTAL		10			11			10			41	

គី.អេស.ខេ កសាងសង់ ភ្នំពេញ

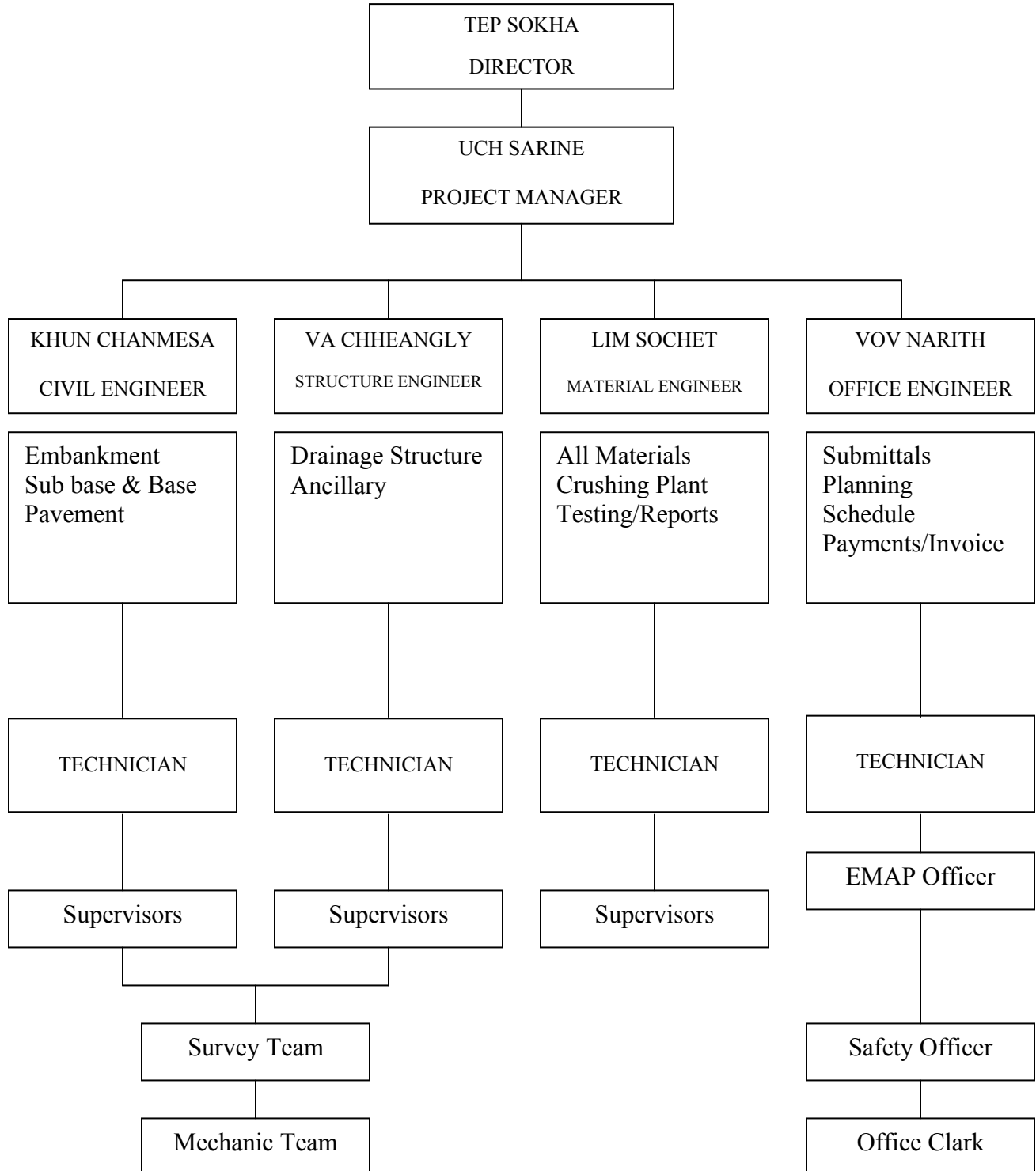
T.S.K Construction Co., Ltd

House No. 02G, St. New, Sangkat. Chrouy Charng Va, Khan Roussey Keo, Phnom Penh.
Tel: 012 359 575, 016 777 437. E-mail Address: tsk_sokha@yahoo.com

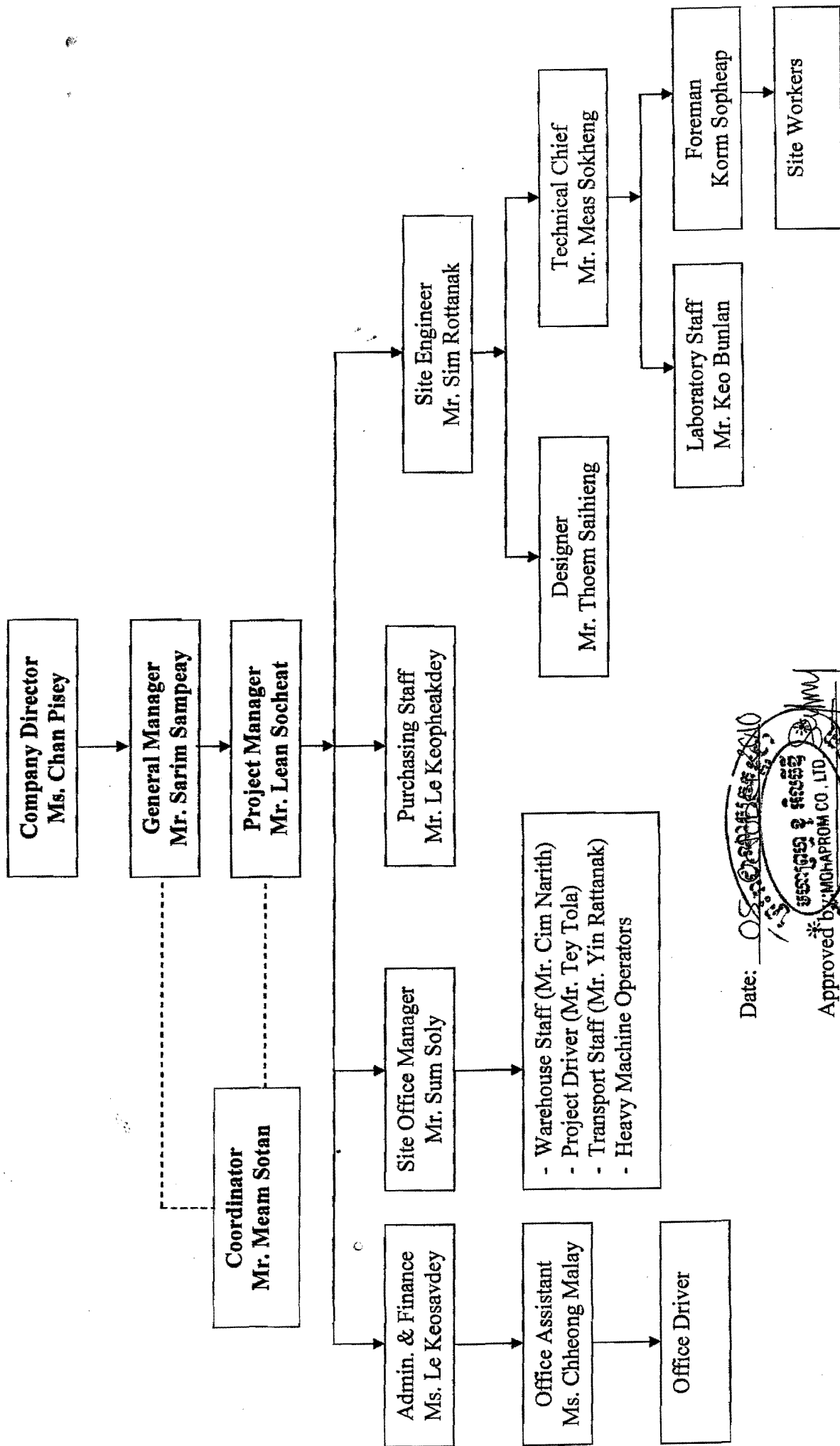
Contract No. PRIP-CKP-09-NCB-W -001

Contract No. PRIP-CKP-09-NCB-W -003

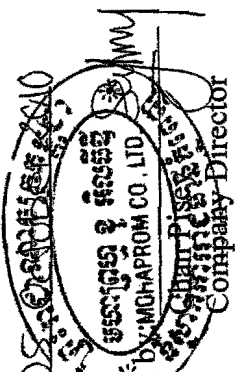
+ Site Structures Management Chart



MOHAPRUM CO., LTD.
Organizational Chart

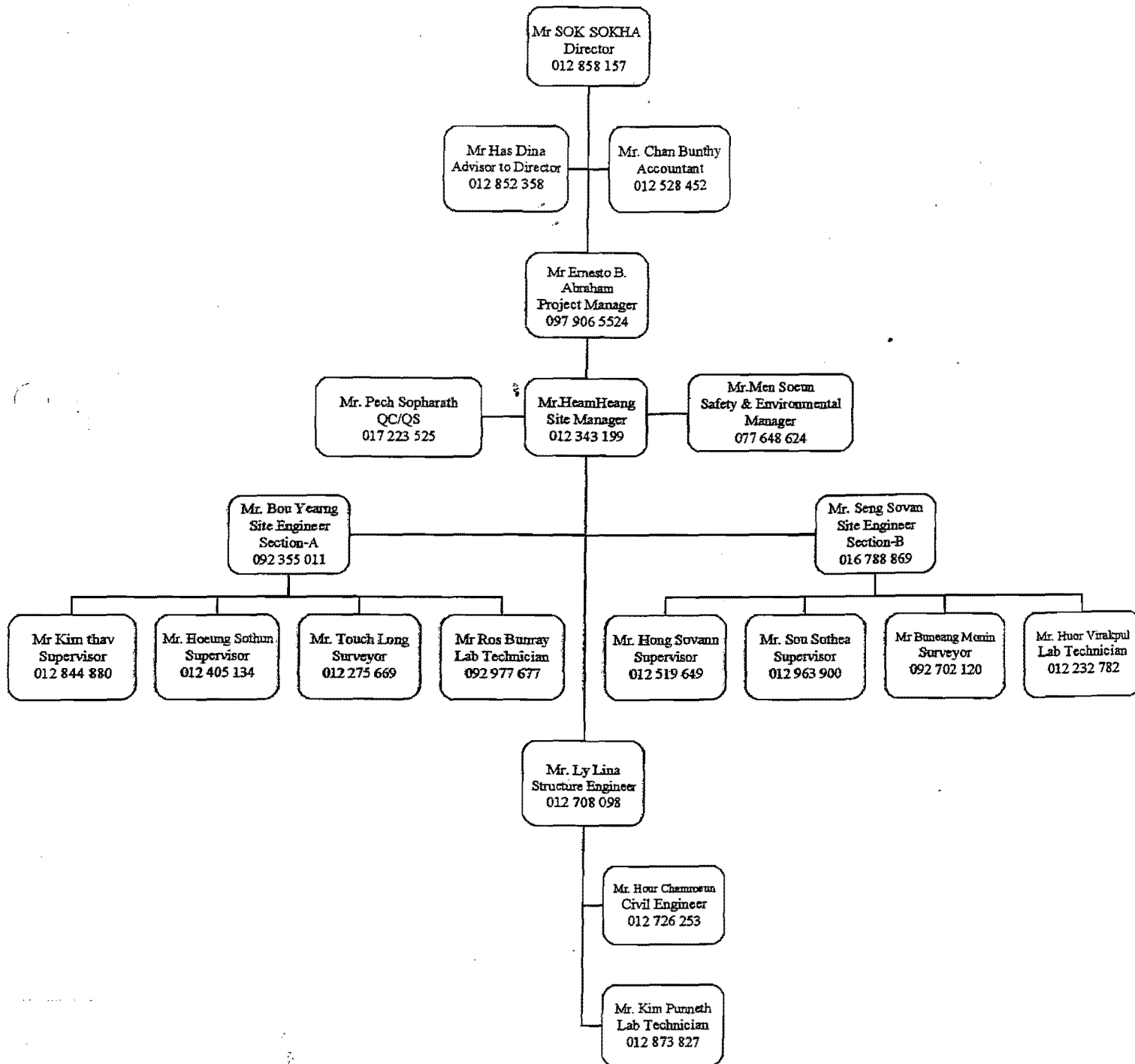


Date: 08/08/2010


 មេត្តាជ្រាវ និង អនុញ្ញាត
 MOHAPRUM CO., LTD.
 Ms. Chan Pisey
 Company Director

Approved by MOHAPRUM CO., LTD.

Sok Sokha Co., Ltd
Organization Chart For Reconstruction of Road 213
(From Rovieng to Kampong Putrea Existing Bridge)



Road Work for Section-A
Equipment:

1. Excavator = 1 set
2. Vibration Roller = 2 sets
3. Bulldozer = 1 set
4. Motto grader = 1 set
5. Dump truck = 6 set
6. Water truck = 1 set

Civil Work
Equipment:

1. Excavator = 2 sets
2. Crain truck = 1 set
3. Dump truck = 2 sets
4. Concrete Mixer= 3 sets
5. Mixing Truck= 1 set
6. Crushing Plant= 1 set

Road Work for Section-B
Equipment:

1. Excavator = 1 set
2. Vibration Roller = 2 sets
3. Bulldozer = 1 set
4. Motto grader = 1 set
5. Dump truck = 1 set
6. Water truck = 1 set

**Provincial and Rural Infrastructure Project
Ministry of Public Works and Transport
World Bank Technical and Safeguards Implementation Support Mission**

Final Schedule (September 28 – October 2, 2010)

Date	Time	Activities	Participants	Location/Contact	Remark
Tuesday Sep 28, 2010	PM	Travel from Phnom Penh to Siem Reap Province Stay in Siem Reap Province	WB team		
Wednesday Sep 29, 2010	09.00 – 11.00	<ul style="list-style-type: none"> Meeting with PRIP, Supervision Consultant (LBG) and contractors (T.S.K. Constructions, Mohaphum, and Sok Sokha) from Oddamean Chey, Siem Reap, and Preah Vihear Provinces 	LBG, Contractors, PRIP/MPWT and WB team	Meeting location: Siem Reap Provincial Department of Public Works and Transport Mr. Douk Namin Tel: 099 961 435	Confirmed
	PM	<ul style="list-style-type: none"> Site Visit to RC Bridge in PR207 and 2 Box culverts on SNR 65 (PRIP-CKP-09-NCB-W-001) in Siem Reap Province <ul style="list-style-type: none"> Stay in Siem Reap Province 	LBG, T.S.K., PRIP/MPWT and WB team	Siem Reap Province Mr. Douk Namin Tel: 099 961 435	Confirmed
Thursday Sep 30, 2010	Full Day	<ul style="list-style-type: none"> Site Visit to two RC Bridges and one Box Culvert on PR181-1 and one RC Bridge on PR 181-3 (PRIP-CKP-09-NCB-W-002) in Oddamean Chey Province Stay in Siem Reap Province 	LBG, Mohaphum, PRIP/MPWT and WB team	Oddamean Chey Province Mr. Douk Namin Tel: 099 961 435	Confirmed
Friday Oct 1, 2010	Full Day	<ul style="list-style-type: none"> Site Visit to Road 213 from Rovieng to Kampong Putrea Existing Bridge (PRIP-CKP-ICB-W006) and one RC Bridges on PR213 (PRIP-CKP-09-NCB-W-003) in Preah Vihear Province Return and overnight stay in Kampong Thom Province 	LBG, Sok Sokha, T.S.K., PRIP/MPWT and WB team	Preah Vihear Province Mr. Douk Namin Tel: 099 961 435	Confirmed
Saturday Oct 2, 2010	AM	Travel back to Phnom Penh	WB team		
<p>PRIP/MPWT Team: Mr. Douk Namin (Project Manager), Mr. Kim Ponna, Procurement Officer, and Provincial Department Officials of each provinces.</p> <p>WB Team: Mr. Sann Ratha (Infrastructure Operations Officer) Mr. Leng Bunlong (Environmental Specialist) Ms. Nil Vanna (Social Development Specialist)</p> <p>Team Assistant: Ms. Chhun China [Phone: 855 12 72 92 91/ 855 23 217 301 Ext: 320, email: cchhun@worldbankl.org]</p>					

APPENDIX 2

SUMMARY OF INTERIM PAYMENT CERTIFICATES

Appendix 2.1 Contractors' IPC (Intentionally Left Blank)

Appendix 2.2 Program of Work

Appendix 2.3 Foreign Consultant's IPC (Intentionally Left Blank)

APPENDIX 3

TESTING OF MATERIALS

PROVINCIAL AND RURAL INFRASTRUCTURE PROJECT
THE LOUIS BERGER GROUP, INC

Contractor Name: SOK SOKHA CO., LTD

Contract Reference No. PRIP-CKP-ICB-W006

Province: Preah Vihear

Materials Sampling / Testing and Checking						
August to September, 2010						
No.	Description	Sampling Date/ Submitted Date	Testing Date/ Checking Date	Source of Material	Stockpile	Remark
1	Coarse aggregate	06-09-2010	13-09-10	Crushing Plant Trapeang Kraleung Kampong Speu	Sok Sokha Batching Plant in PPSEZ (Kambol Kampong Speu)	ITC's Laboratory and MPWT's Laboratory
2	Sand	06-09-2010	13-09-10	Crushing Plant Trapeang Kraleung Kampong Speu	Sok Sokha Batching Plant in PPSEZ (Kambol Kampong Speu)	ITC's Laboratory
3	V-Steel Brand, DB25, DB20, DB16, DB12 and DB10	06-09-2010	08-09-10	Viet Nam Factory	Phnom-Penh	ITC's Laboratory
4	Cement	06-09-2010	13-09-10	Viet Nam and Thailand factory	Sok Sokha Batching Plant in PPSEZ (Kambol Kampong Speu)	ITC's Laboratory
5	POMINA Steel DB32, DB28, DB10 and RB8	13-09-13	13-09-10	Viet Nam Factory	Phnom-Penh	ITC's Laboratory
6	Calibration SSK Batching Plant, Aggregate, Cement and Water Scale.	20-09-10	21-09-10	-	-	Phnom Penh Special Economic Zone
7	Calibration Compression Machine in SSK Batching Plant	29-09-10	30-09-10	-	-	TYE-2000A, Capacity 2000KN

PROVINCIAL AND RURAL INFRASTRUCTURE PROJECT
THE LOUIS BERGER GROUP, INC

Contractor Name: Mohaprum Construction Co., Ltd

Contact No. PRIP-CKP-09-NCB-W-002

Province: Oddar Mean Chey

Materials Sampling / Testing and Checking						
August to September, 2010						
No.	Description	Sampling Date/ Submitted Date	Testing Date/ Checking Date	Source of Material	Stockpile	Remark
1	Coarse aggregate	02-09-2010	13-09-10	Phnom Thom Crushing Plant, Banteay Mean Chey	Suong Lyha, Beung Snao, Oddar Mean Chey	SM-006, LAA and Soundness test in MPWT's Laboratory and ITC's Laboratory
2	Sand	02-09-2010	13-09-10	Tonle Bet, Kampong Cham	Suong Lyha, Beung Snao, Oddar Mean Chey	SM-007, ITC's Laboratory
3	Soil Investigation		13-16-Sept-10			Has been done without witness of LBG, RFT just received on 15-09-10 after noon time.
4	Cement Camel Brand	27-09-10	28-09-10	Thailand	Supplier	ITC's Laboratory
5	TATA Steel DB12, DB16, DB20 and DB25. RB8 POMINA Brand.	27-09-10	28-09-10	Thailand	Supplier	ITC's Laboratory
6	Ground Water	30-09-10	12-10-10	Well	Contractor Office Oddar Mean Chey	ITC's Laboratory

PROVINCIAL AND RURAL INFRASTRUCTURE PROJECT
THE LOUIS BERGER GROUP, INC

Contractor Name: T.S.K Construction Co., Ltd

Contact No. PRIP-CKP-09-NCB-W-001 and 003

Province: Preah Vihear and Siem Reap

Materials Sampling / Testing and Checking						
August to September, 2010						
No.	Description	Sampling Date/ Submitted Date	Testing Date/ Checking Date	Source of Material	Stockpile	Remark
1	Cement, K-Cement	26-08-2010	26-08-2010	Kampot, Province	Phnom-Penh	ITC's Laboratory
2	Cement, Camel	26-08-2010	26-08-2010	Thailand	Phnom-Penh	ITC's Laboratory
3	Deformed Bar, POMINA	26-08-2010	26-08-2010	Viet Nam	Phnom-Penh	ITC's Laboratory
4	Sand	31-08-2010	03-09-2010	Koh Pen, Kampong Cham	Koh Pen, Kampong Cham	SM-001, ITC's Laboratory
5	Coarse aggregate	31-08-2010	03-09-2010	Phnom Dek Crushing Plant, Preah Vihear	Phnom Dek Crushing Plant, Preah Vihear	SM-002, LAA and Soundness test in MPWT's Laboratory
6	Water	31-08-2010	03-09-2010	Large Pond, Road No.213, PK.01+852, Preah Vihear	Large Pond, Road No.213, PK.01+852, Preah Vihear	SM-003, ITC's Laboratory
7	Water	01-09-2010	03-09-2010	Lake, PR207, PK.10+290, Siem Reap	Lake, PR207, PK.10+290, Siem Reap	SM-004, ITC's Laboratory
8	Coarse aggregate	01-09-2010	03-09-2010	Kok Dong Crushing Plant, Siem Reap	Sot Nikum District along Road No.6, Siem Reap	SM-005, LAA and Soundness test in MPWT's Laboratory
9	Soil Investigation		13-14-Sept-10			Inspection by Mr. Sovann, Road No.213 PK.01+852
10	Trial Mix Concrete Class B1	30-09-10	01-10-10			In Siem Raep RN65

APPENDIX 4

CONSTRUCTION PROGRESS PHOTOGRAPHS



Existing Single Lane RC Bridge at PR207 (Siem Reap)



Foundation Investigation for the Proposed Bridge at PR207



Diversion Road for the RC Box Culvert at PK 16+ 350 SNR65 (Siem Reap)



UXO Exploration and Demining at PK 16+ 350 SNR65 (Siem Reap)



Proposed RC Box Culvert Upstream of PK 16+ 350 SNR65 (Siem Reap)



Proposed Location of 2–3.5m x 2.0m x 8.00m Long RCBC at SNR 65 (Siem Reap)



Existing Diversion Road for Proposed Bridge at PK 2+ 670 PR18-1 (Oddar Meanchey)



Proposed Bridge Location at PK 2+ 670 PR181-1 (Oddar Meanchey)



Existing Diversion Road for RC Box Culvert at PK 5+ 440 PR181-1 (Oddar Meanchey)



Proposed Location of 3–3.50m x 2.00m x 5.00m Long RCBC (Oddar Meanchey)



Existing Wooden Bridge at PR181-1 PK 12+ 190 (Oddar Meanchey)



Existing Diversion Road for 1-15m Span x 5.00m Wide RC Bridge



Existing Bailey Bridge at PR181-3 PK 34+ 318 (Oddar Meanchey)



Proposed Location of 2-12.00m Span x 5.00m Wide RC Bridge (Oddar Meanchey)



Constructed Diversion Road at R213 PK 1+852 (Preah Vihear)



Diversion Road Damaged by Flood (Preah Vihear)



Project Road R213: Existing Road Section and Condition



Existing O'trolouk Wooden Bridge at R213 Sta 2+ 559 (Preah Vihear)



Community Participatory and Information Campaign done 17 September 2010



WB Safeguard Support Mission at R213 Rovieng, Preah Vihear



Typical Contractor's Fuel Depot at R213 Creating Environmental Concerns from WB Mission



Toilet at Contractor's Camp Site R213



UXO detected and demined at R213 PK 2+ 570 (LHS)



UXO detected and demined at R213 PK13+ 344 (RHS)