



Lao People's Democratic Republic



Ministry of Public Works and Transport  
DEPARTMENT OF ROADS

---

**ROAD SECTOR GOVERNANCE AND MAINTENANCE  
PROJECT (RSGMP)**

ADB Loan No. 3368-LAO

**BID EVALUATION REPORT**  
**FOR**

**Contract Package No. CW-4 Xek-LR 7615**

**Rehabilitation and Maintenance Works of LR 7615**

**Junction NR 1H to Junction NR 16 (22.70 km)**

**Xekong Province**

**26 JANUARY 2018**



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## 1. INTRODUCTION

### 1.1 General

The Lao People's Democratic Republic (the "Borrower") has received financing from the Asian Development Bank (ADB) in the form of a loan toward the cost of Road Sector Governance and Maintenance Project (RSGMP). Part of this financing will be used for payments under the Contract CW-4 Xek-LR 7615. MPWT is the Ministry of Public Works and Transport of the Borrower, and DoR is the Department of Roads of MPWT which is responsible for the implementation of the Project.

National Competitive Bidding (NCB) is used for the procurement in the country of the borrower but foreign bidders from other ADB members countries have the option to bid under ADB-funded procurement using the NCB procedures. The procurement procedures include Single Stage-Single One-Envelope (1S1E) and public opening of bids. If foreign firms wish to participate under this circumstance, they are allowed to do so. The bidders submit bids in one envelope containing both the price proposal and the technical proposal, which are opened in public at the date and time advised in the bidding documents. The bids are evaluated and, following approval by the ADB, the contract is awarded to the lowest evaluated substantially responsive bidder.

The invitation for Bids was issued to all bidders on 17 November 2017. Also, Notice of the Invitation for Bids was published on 17, 20 and 21 November 2017 in one English newspaper and two local newspapers as well as posted at ADB website and MPWT website. The site visit and pre bid meeting were held on 28 November and 30 November 2017 respectively at the Project site and the Department of Public Works and Transport (DPWT) Attapeu Province conference room. Twelve (12) contractors attended the pre-bid meeting and thirteen (13) contractors purchased the bidding documents.

The minutes of the pre-bid meeting were prepared and sent to all the contractors who purchased the bidding documents. Five (5) addenda to the bidding documents in the Circular Letters were delivered to the all bidders as the result of pre-bid meeting.

### 1.2 Submission of Bids

The date and time for the submission of bids were not extended and the reception of bids by DOR/MPWT was closed at 2.00PM Vientiane time on 18 December 2017 as scheduled in the Invitation for Bids. Out of eleven (11) bidders who purchased the bidding documents, eight (8) bidders submitted bids.

### 1.3 Bid Opening

Bids were opened as specified in the bidding documents at 2.00 pm on 18 December 2017 at the meeting room No.1 of MPWT by the Procurement Committee in the presence of representatives of bidders. The bidders' names, the amount of bid prices, the presence or absence of bid security and its amount were announced and recorded. The Record of Bid Opening was prepared soon after the bids were announced, and a copy of The Record of Bid Opening was forwarded to ADB for their information under cover of the letter No.28833/PWT. DoR dated 20 December 2017 signed by Director General, DoR, MPWT. A copy of the Record of Bid Opening is attached as Appendix 1.

### 1.4 Basic Data and Exchange Rates

The exchange rates used for the evaluation were the selling rates 28 days prior to the deadline for submission of bids published by Banque pour le Commerce Extérieur Lao (BCEL). Basic information pertaining to the bidding is summarized and attached as Appendix 2.

### 1.5 Bid Evaluation Committee

The Procurement Committee (i.e. A Bid Evaluation Committee) comprising thirteen (13) senior officers of DoR, DPWTs of 3 provinces, DoF (Department of Finance) and DoP (Department of Planning) of MPWT, Department of External Finance of Ministry of Finance (MOF), and Department of International Cooperation of Ministry of Planning and Investment (MPI) was established by the Minister of MPWT.

Assistance was provided by the staff of the Project Management Consultant (PMC). The Bid Procurement Committee members were:

Committee	Name	Position	Organization
Chairman	Mr. Litta Khattiya	Deputy Director General	DoR, MPWT
Member	Mr. Bounpasert Sisouvanh	Deputy Head of Division	Dept of External Finance, MOF
	Mr. Bountien Phommavongsy	Deputy Director	DPWT Salavan

Mr. Thongthep Souliyo	Deputy Director	DPWT Xekong
Mr. Somexay Keomanivanh	Deputy Director	DPWT Attapeu
Ms. Sengamphay Nasipasert	Deputy Head of Division	DoR, MPWT
Mrs. Douangdeun Vilaysak	Technical Staff	DoF, MPWT
Mr. Vilatha Soulalai	Technical Staff	Dept of International Cooperation, MPI
Mr. Toulaxay Phanthavong,	Technical Staff	DoP, MPWT
Mr. Soulnet Vixayxongdeth	Project Manager	DoR, MPWT
Mr. Thongsouk Aphaialath	Deputy Project Manager	DPWT Attapeu
Mr. Bounma Phasavath,	Deputy Project Manager	DPWT Salavan
Mr. Korakan Phetsomphou,	Deputy Project Manager	DPWT Xekong

The Committee members' decisions were made on the basis of unanimous views and in case a unanimous decision could not be reached on certain issues, the issues were referred to the Chairman for decision.

## 2. EXAMINATION FOR COMPLETENESS OF BIDS

### 2.1 Bid Documents

The bids submitted were first examined to check whether the bidders had submitted all the documents and information required by the bidding documents. The areas covered by the examination were:

- (i) Form of Bid and Bill of Quantities;
- (ii) Bid Security;
- (iii) Schedules of Particular Information;
- (iv) Joint Venture Agreement, if required;
- (v) Propriety of Signature and Power of Attorney;
- (vi) Completeness; and
- (vii) Documents establishing the eligibility of bidders and goods.

The record of checking for completeness of bid documents is attached as Appendix 3.

Some bidders did not submit information complying with requirements in the bids on method statement, QA/health/environment management, facilities and subcontracting etc.; however, the deficiency is considered to be minor.

The bidder No.5, No.6, No.7 and No.8 didn't submit the major supporting documents for bidder's qualification provided with the bidding documents (refer to 3.2).

The bidder No. 2 attached the cash flow tabulation of not entire period of the project, however, no further action was taken on this matter as the prospective successful bidder may be required to submit full details to substantiate prior to award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

### 2.2 Propriety of Signature and Power of Attorney

Bid documents of all bidders were satisfactory in this aspect as all bid documents were signed properly as per the instructions to Bidders or management executive, director, of the firm signed by himself (herself), and all corrections were initialed by the authorized person. The power of attorney for each signatory was acceptable. The results of these examinations are shown in Appendix 3.

## 3. DETERMINATION OF SUBSTANTIVE RESPONSIVENESS OF BIDS

### 3.1 Eligibility of Bidders and Goods

The bidding documents required, in Clause 4 of the Section 1- Instructions to Bidders, that each bidder submits with its bid evidence of its eligibility concerning its nationality. All bidders submitted certifications, which indicated that they were nationals of an eligible member country, and offered goods originating in an eligible member country of ADB. Further, all bidders certified that they were not involved in the consulting services for the works (See Appendix 5: Table of Substantive Responsiveness).

### 3.2 Bidders' Qualifications

The updated information regarding financial capacity and technical capability of all bidders was examined. Two (2) bidders No.2 and No.3 submitted the completed forms provided with the bidding documents, such as listings financial capacity, and construction method, availability of construction equipment and key professional personnel.

The bidder No.5, No.6, No.7 and No.8 didn't submit some the following major supporting documents for bidder's qualification provided with the bidding documents.

- Pending Litigation and Arbitration;
- Historical Financial Performance;

- Average Annual Construction Turnover;
- Availability of Financial Resources;
- Financial Requirement for Current Contract Commitments
- Contract of Similar Size of and Nature;
- Construction Experience in Key Activities.

The other bidders No.1, No.2, No.3 and No.4 submitted all these documents to determine substantial responsiveness of a bid. The results of these examinations are shown in Appendix 3 Table 1 and Table 1-1.

### 3.3 Arithmetic Check and Corrections

Each bid was checked for arithmetic errors in accordance with the provisions of the bidding documents and such errors were corrected. The arithmetic errors were mainly simple computing errors and the Provisional Sum amount that should be the same amount indicated in the Bid Documents.

These corrections, none of which were substantial, were tabulated and are shown in Appendix 4: Table 2 Summary of Bid Prices (Arithmetic Corrections and Corrected Bid Prices).

### 3.4 Compliance with Commercial Terms and Conditions

#### 3.4.1 Bid Validity and Bid Security<sup>1</sup>

A bid validity period of at least 120 days from the date of bid opening was specified in the bidding documents. All bidders offered a bid validity period as required. All bidders submitted bid securities in the form of a Bank guarantee and fulfilled the requirements in the amount, terms and period of validity except Bidder No.1, No.3 and No.6. In accordance with the Sub-clause ITB 19.4 of Section 2- Bid Data Sheet, and the Clause Answer Q4 of Minutes of Pre-Bid Meeting, the bidders were asked to furnish the compliant Bid Security to the Employer by 4 January 2018, and the revised securities were received from the Bidder No.3 and No.6 before the day required, but the Bidder No.1 didn't submit the compliant Bid Security and therefore the bid of the Bidder No.1 was rejected.

#### 3.4.2 Time for Completion

A check on the times for completion was carried out on the construction schedule submitted by each of the bidders. The times for completion of the various major work components were analyzed to check (i) whether they are logical and (ii) whether completion times comply with the schedules especially for the rehabilitation works. In several major work components, some bidders did not indicate the detailed schedule. However, these differences were not considered substantial.

#### 3.4.3 Terms of Payment

All bidders accepted the commercial provisions of the bidding documents.

### 3.5 Compliance with Technical Requirements

The Procurement Committee reviewed compliance with the requirements for the submission of bids, which included: completion of the Bill of Quantities; the construction schedule; construction methods and sequence; proposed construction equipment and a schedule for delivery to the works site; a detailed description of proposed site organization; and a schedule for the mobilization of management, engineering and administrative personnel, and of skilled and unskilled labor. The bidder No.2 and No.3 submitted the formal requirements as stipulated in the bidding documents, and the bidder No.1 and No.4 did not provide some information of method of statements etc., however, these differences were not considered substantial.

#### 3.5.1 Technical Deviations

None of the bids contained substantial technical deviations.

## 4. DETAILED EVALUATION OF BIDS

### 4.1 Selection of Bids for Detailed Evaluation

The four (4) bids were rejected because of failure to submit major supporting documents required by the bidding documents to determine substantial responsiveness of a bid (ITB 28.1 c, ITB 29.4). As discussed in Section 3 of this Report and in order to reduce the volume of work involved in the detailed evaluation, it was decided to evaluate initially only the three lowest bids. Other bids would be evaluated only if adjustments, if any, to be made to the three lowest bids would bring their adjusted price above the unadjusted price of any of the other bids. Accordingly, only bids Nos. 3, 2 and 4 were initially evaluated and, since the adjusted prices of all three bids were lower than the unadjusted price of any of the other bids, detailed evaluation of the higher bids was not necessary.

The ranking in order of the lowest bid price is as follows.

Bidder No.	Name of Bidder	As Opened	Arithmetically Corrected	Price Ranking	Variation
7	Thongphouphane oudomsine Repair Road and Bridge Sole Co.Ltd.	1,794,189.70	1,798,053.62	1 rejected	-
3	Road No.8 Construction Enterprise (R8CE) and Tay Truong Son Construction Sole Co.Ltd (TSC) Joint Venture	1,977,307.74	1,977,345.74	2	9.97%
5	Sone Road-Bridge Construction Company	2,116,977.00	2,107,309.89	3 rejected	17.20%
2	Saysavanh Vannavong JV	2,133,483.55	2,123,583.55	4	18.10%
6	Xaythani Road-Bridge Construction Sole Co.Ltd	2,100,000.83	2,133,000.83	5 rejected	18.63%
8	Khounmixay Road-Bridge Construction Co.Ltd	2,172,318.00	2,245,467.95	6 rejected	24.89%
4	State Enterprise Integrated Road & Bridge Construction	2,433,868.00	2,509,768.22	7	39.58%
1	Somxay Chalern Construction Road and Bridge	2,546,990.00	2,546,990.00	8	41.65%

Note: the bid prices show after bidder's discount amount.

#### 4.2 Commercial Terms and Conditions

All three lowest bidders who were substantially responsive to the bidding documents, accepted the commercial provisions of the bidding documents.

Therefore, no price adjustments for commercial terms and conditions were necessary (see Appendix 7, Bid Price Comparison).

#### 4.3 Evaluation for Technical Requirements

##### 4.3.1 Technical Specifications

None of the bids contained substantial technical deviations.

##### 4.3.2 Construction Schedule and Sequence of Construction Activities

The construction schedules and sequences of construction activities proposed by the three lowest bidders were evaluated (Appendix 6). The construction schedules submitted were consistent with the schedule in the bidding documents. Appendix 6 shows the times for completion of the major work components of the Project, rehabilitation works and performance based maintenance.

##### 4.3.3 Construction Methods

The construction methods proposed by the two bidders, No.2 and No.3 were reviewed and evaluated. Overall, the two bidders' proposed construction methods were acceptable. The bidder No.4 did not propose the construction methods clearly, therefore, needed further clarification during contract negotiations with the bidder, if successful.

##### 4.3.4 Construction Equipment

Mobilization of construction equipment, particularly construction equipment for road rehabilitation works, is important for the successful completion of this Project. There were not significant differences between the equipment schedules submitted by the three bidders except truck and bitumen related equipment as shown in Appendix 8. Number of dump truck and bitumen related equipment proposed by the bidder No.2 and No.3 is less than



the Engineer's estimate, and therefore, need further clarification if the bidders could mobilize the required equipment as required from external resources such as leasing company during contract negotiations with the bidder, if successful.

#### 4.3.5 Site Organization and Key Field Personnel

Site organization and key field personnel proposed by the three bidders were evaluated in detail with respect to their proposed positions in the site organization, their experience in similar work and total work experience, and qualification.

The three bidders informed some of the personnel only but not fully, therefore, clarification in detail would be needed during contract negotiations with the bidder, if successful.

#### 4.3.6 Subcontracting

No nominated works to be subcontracted required in the bidding documents.

The bidder No.4 didn't submit details of the subcontractors and the bidder No.2 and No.3 did not propose the subcontractors, it would be clarified in detail during contract negotiations with the bidder, if successful.

#### 4.3.7 Labour, Materials and Cash Flow

The proposal was reviewed with their construction methods. All three bidders did not submit the information of their proposed schedule major materials (such as sub base and base course material etc.) clearly, and it would be clarified in detail during contract negotiations with the bidder, if successful.

The payment schedule (cash flow) of Bidder No.3, No.2 and No. 4 is attached as Appendix 10. The bidder No.3 provided cash flow over the performance based maintenance period, and the bidder No. 2 attached the cash flow tabulation of not entire period of the project, however, no further action was taken on this matter as the prospective successful bidder may be required to submit full details to substantiate prior to award the Contract to the next lowest evaluated bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

#### 4.3.8 Construction Facilities

The construction facilities proposed by the three bidders are shown in Appendix 11. The bidder No.3 and No.4 provided some information of the aggregate plant and testing but the bidder No.2 didn't provide the information at all. Therefore, it is needed to ensure further that the bidder whose bid has been evaluated as the lowest evaluated substantially responsive bid has the financial and technical capability or qualifications to execute the contract satisfactorily, during contract negotiations with the bidder, if successful.

### 4.4 Analysis of Prices

As a guide to the examination of prices quoted in the bids, prices quoted for each Section of the Work were computed, as defined in the Bill of Quantities, as a percentage of the total bid price and compared with the percentages of each bid and also with the corresponding percentages of the Executing Agency's estimate. The comparison is shown in Appendix 12. The Committee was satisfied that the three (3) bidders who were substantially responsive to the bidding documents, had fully understood the requirements for the Work and the specifications governing materials and construction processes, and that they were prepared to carry out the Work as specified in the bidding documents. Despite the differences in pricing of the various sections of the Work, the Committee did not find any instances of intentionally unbalancing the bill.

### 4.5 Clarifications

As mentioned previously, bidders were not requested for clarifications to obtain further information in order to establish their capability to carry out the Work.

## 5. COMPRISON OF BIDS AND DETERMINATION OF LOWEST EVALUATED BID

### 5.1 Lowest Evaluation Bid

The corrected and adjusted prices for the three bids which were evaluated in detail are shown in Appendix 7. As that comparison shows, the lowest evaluated substantially responsive bid is that submitted by Bidder No. 3 for a total evaluated bid price of 1,977,345.74 USD.

### 5.2 Examination of Unbalanced Prices for Lowest Evaluated Bid

Comparison of unit rates and prices, particularly early work items, of the lowest evaluated bid with average rates of the other two lowest bids and the Executing Agency's estimate were carried out.

#### 5.2.1 High Unit Rates and Prices.

A unit rate or price is considered high if it is 50%, higher than the average of two bids and/or The Executing Agency's estimate. There are high prices for Sand Layer Under Concrete Pavement (Bill 313) and Traffic Signs (Bill 605) in the lowest Bid (Bidder No.3), however, none of these items exceeds an amount of more than 1 % of the bid price, and the total amount of

items with high prices of the lowest bidder is less than 1.5% of its total bid price. From the above results of the review, the lowest bid should not be considered as an unbalanced bid in respect of these works.

(a) High Unit Rates and Prices in Early Work Items.

Those work items which were to be carried out in the first eighteen (18) months for the Rehabilitation works are considered as early work items. There are high prices for Sand Layer Under Concrete Pavement (Bill 313) and Traffic Signs (Bill 605) in the lowest Bid (Bidder No.3), however, none of these items exceeds an amount of more than 1.5 % of the total bid price.

(b) High Unit Rates and Prices for Other Items

The corresponding work quantities stated in the Bill of Quantities of key items were checked and found to be calculated correctly. Detailed checking showed that the items involved are minor work items and the quantities of these items were unlikely to be increased significantly thus the lowest bid should also be considered as a balanced bid.

### 5.3 Reasonableness of Price of Lowest Evaluated Bid

The lowest evaluated bid, submitted by Bidder No.3, is about 25% lower than the Executing Agency's estimate. The unit prices of the Performance Based Maintenance Works (Bill BP100) was rather low compared with other works of a similar nature in the country, however, it was considered that the bid of the lowest evaluated bidder is not substantially low because the road is just rehabilitated by the Project before the performance based maintenance starts, and the Committee was confident that the lowest evaluated bidder would be able to complete the Work in accordance with the specifications and the construction schedule.

## 6. CONCLUSIONS AND RECOMMENDATIONS

On the basis of the systematic evaluation of bids as presented in this report, it was concluded that the bid of Bidder No.3 was the lowest evaluated substantially responsive bid. Therefore, it was recommended that the Contract for CW-4 Xek-LR 7615 be awarded to Bidder No.3 for the contract amount of 1,977,345.74 USD.

Some clarifications and/or modifications in detail would be discussed and be finalized during the contract negotiations with the bidder, if successful.

As a final step prior to award, it is needed to ensure further that the bidder whose bid has been evaluated as the lowest evaluated substantially responsive bid has the financial and technical capability or qualifications to execute the contract satisfactorily. If this is determined as positive, the contract shall be awarded to the bidder which submitted the lowest evaluated substantially responsive bid. (Section 1- Instruction to Bidders 38)

In that event of the failure the Employer may award the Contract to the next lowest evaluated bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily. (Section 1- Instruction to Bidders 41.2)

## APPENDIXES



## APPENDIX 1



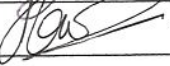




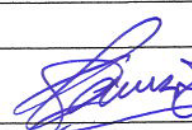


## RECORD OF BID OPENING

LOAN NO.: 3368-LAO  
 BID NO.: CW-4Xek-LR7615 (NCB)

PROJECT TITLE: Road Sector Governance and Maintenance Project (RSGMP)  
 BID/ CONTRACT TITLE: Rehabilitation and Maintenance Works of LR 7615in Xekong Province

1. The following Bids were received by the closing deadline fixed on 18 December 2017 at 14:00 hrs and were publicly opened and read at 14:00 hrs on the same date.

No.	Name of Bidder & Address <i>(insert full company name and full address)</i>	Bid Security Amount (USD)	Bid Amount (USD)	Discounts Offered <i>(Any discounts offered shall be recorded. Any alternative bids shall be opened.)</i>	Remarks (if any)	Signature of Bidders Representatives	Time received the Bid Documents
1	Somxaychaleun Road & Bridge Construction Co. Ltd	48,700.00	2,546,990.00	No	The submitted bid security is \$48,700 and cheque LAK 45,000,000		13:35
2	Saysavanh Construction Co.Ltd	53,000.00	2,344,487.42	211,003.87			13:32
3	R8CE-TSC	48,700.00	1,977,307.74	No			13:13
4	State Enterprise Intergrated Road & Bridge Construction	53,000.00	2,433,868.00	No	Not submitted technical proposal		13:00
5	Sone Construction and Repair Road & Bridge Co. Ltd	53,000.00	2,116,977.00	No	Not submitted technical		12:55

No.	Name of Bidder & Address <i>(insert full company name and full address)</i>	Bid Security Amount (USD)	Bid Amount (USD)	Discounts Offered <i>(Any discounts offered shall be recorded. Any alternative bids shall be opened.)</i>	Remarks (if any)	Signature of Bidders Representatives	Time received the Bid Documents
					proposal		
6	Xaythany Construction Road-Bridge Co. Ltd	48,700.00	2,108,000.83	8,000.00			13:30
7	Thongphouphanh OUDOMSIN Road & Bridge Maintenance & Construction sole Company limited	53,000.00	1,794,189.70	No			13:00
8.	Khounmixay Road-Bridge Construction Co. Ltd	53,000.00	2,172,318.00	No	Not submitted technical proposal		13:00

2. The following bidders' representatives attended the public opening of bids and a copy of the attendance sheet is attached as an annexure of this record.

No.	Name	Designation	Bidding Company Represented
1	See Attendant Sheet CW-4Xek-LR7615(NCB)		
2			
3			
4			



No.	Name	Designation	Bidding Company Represented
5			
6			
7			
8			
9			
10			
11			

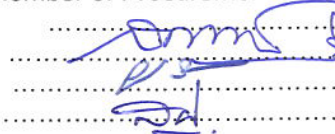
3. Matters transpiring during the opening of bids (*Note: Any modifications, bid withdrawals, complaints received, and clarifications made or announced by the bid opening committee should be recorded*)
4. Reading and signing of bids ended at .....16:00.....hours.



.....  
 Signature  
 Chairman of Procurement Committee  
 Litta Khattiya  
 Deputy Director General  
 Department of Roads  
 Ministry of Public Works and Transport

.....  
 Signature

Member of Procurement Committee



.....  
 Signature



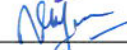







Member of Procurement Committee

.....  
 Mr. Somsay Keomany Vong (Deputy Director of DRI Attapeu)  
 Mr. Saulignet Vixayxongdeth (Project Manager, DoR)  
 Mr. Thongsak Aphamalath (Deputy Project Manager, DPWT F)

### ATTENDANCE SHEET FOR OPENING OF BIDS

LOAN NO.: 3368-LAO PROJECT TITLE: Road Sector Governance and Maintenance Project (RSGMP)  
 BID NO.: CW-4 Xek-LR 7615 (NCB) BID/CONTRACT TITLE: Rehabilitation and Maintenance Works of LR 7615 in Xekong Province  
 Place: ~~Conference Room, 2<sup>nd</sup> Floor of the front building~~ <sup>Meeting Room No. 1</sup>, Ministry of Public Works and Transport, Lane Xang Avenue, Vientiane, Lao PDR  
 Date and Time: 18 December 2017, 14:00 hrs

The following bidders' representatives attended the public opening of bids.

No.	Name of Bidding Company	Name of Representative	Designation	Signature	Time received the Bid Documents
1	Sone construction Co. Ltd.	Mr. Soudxana PUNHAKHON	Deputy Director		12:55
2	Koummesay Road-Bridge	Mr. Savath Meamhuang	Staff		12:00
3	Sone construction co. Ltd	Mr. Nengkone Keovinta	Technical Staff		12:55
4	Thongbout Odomsan	Mr. Phavheng Keosaksit	Representative		13:00
5	State Enterprises	Mr. Bounthay Keomavith	D. Director		13:00
6		Mr. Chanhome	Ass. Director		13:00
7	RSCC - TSC JV	Mr. Phouthone PANYASIT	Engineer		13:18
8	Xaythao Construction Co. Ltd	Mr. Soumasak Sayphasit	Admin Head		13:30
9	Saysavanh JV	Mr. Saysamane Vongmouly	Director		13:32
10	Somchai Chaleun Co. Ltd.	Mr. Panyaphone Memipoune	Planning		13:35
11					
12					
13					

## APPENDIX 2



## BASIC DATA SHEET

1.	Project Title:	Road Sector Governance and Maintenance Project
2.	Loan Number:	3368-LAO
3.	Bid or Contract Title:	Rehabilitation and Maintenance Works of LR 7615 in Xekong Province (22.7 km)
4.	Bid or Contract Number:	CW-4 Xek-LR 7615 (NCB)
5.	Estimated Value/ Engineer's Estimate:	2,648,000 USD
6.	Date Invitation for Bids Issued:	17 November 2017
7.	Method of Procurement:	NCB (1S1E)
8.	Bid Closing Date and Time:	18 December 2017, 14:00 hrs
9.	Bid Opening Date and Time:	18 December 2017, 14:00 hrs
10.	Number of Bids Received:	.....8.....
11.	Bid Validity Expires on:	17 April 2018 (120 days after bid submission deadline)
12.	Bid Security Amount:	53,000 USD (approximately 2% of Engineers Estimate)
13.	Bid Security Validity Expires on:	15 May 2018 (28 days beyond bid validity)
14.	Date for Determining Applicable Exchange Rates:	20 November 2017 (28 days prior to deadline for submission of bids)
15.	Exchange Rates for Evaluation:	1 USD = 8,321 LAK <i>Selling rates 28 days prior to the deadline for submission of bids published by the Banque pour le Commerce Extérieur Lao (BCEL)</i>



## APPENDIX 3





No.CW-4 Xek-LR 7615 (NCB)

Appendix 3

TABLE 1: EXAMINATION OF COMPLETENESS OF BID DOCUMENTS

Item	Description	Bidder No.							
		1	2	3	4	5	6	7	8
<b>1</b>	<b>Bid Documents</b>								
1.1	One original and two copies	Y	Y	Y	Y	Y	Y	Y	Y
1.2	Form of Bid	Y	Y	Y	Y	Y	Y	Y	Y
1.3	Appendix to Bid (Bidder's Qualification/ Technical Proposal) (See table 1.1)	Y	Y	Y	P	P	P	P	P
1.4	Priced Bill of Quantities	Y	Y	Y	Y	Y	Y	Y	Y
1.5	Bid Security (amount and validity period)	N	Y	Y	Y	Y	Y	Y	Y
1.6	<b>Schedule of Particular Information</b>								
	1) Construction Time Schedule	Y	Y	Y	N	Y	Y	Y	Y
	2) Construction Method	Y	Y	Y	N	N	N	Y	N
	3) List of Construction Equipment	Y	Y	Y	Y	Y	Y	Y	Y
	4) Organization & Field Personnel	Y	Y	Y	Y	Y	Y	Y	Y
	5) Subcontracting	N	NA	NA	N	N	N	N	N
	6) Mobilization and Temporary / Construction Facilities	N	N	Y	N	Y	N	N	N
	7) Cash Flow	Y	P	Y	Y	Y	N	N	Y
1.7	Drawings and Documents (to be submitted with bid)	NA	NA	NA	NA	NA	NA	NA	NA
1.8	Joint Venture Agreement or Formal Intent to Enter into an Agreement (if Bidder is a joint venture)	NA	Y	Y	NA	N	N	N	N
<b>2</b>	<b>Propriety of Signature and Completeness</b>								
2.1	Power of Attorney submitted or not	Y	Y	Y	Y	NA	Y	NA	NA
2.2	Bid Form properly signed or not	Y	Y	Y	Y	Y	Y	Y	Y
2.3	Completeness of Bids	Y	Y	Y	Y	Y	Y	Y	Y

Y= Yes; N= No; P= Partial; NA= Not Applicable

No.CW-4 Xek-LR 7615 (NCB)

Appendix 3

TABLE 1.1: SUPPLEMENTARY EXAMINATION OF COMPLETENESS OF BID DOCUMENTS

Technical Proposal	Bidder No.							
	1	2	3	4	5	6	7	8
Personnel	Y	Y	Y	Y	Y	Y	Y	Y
Equipment	Y	Y	Y	Y	Y	Y	Y	Y
Site Organization	Y	Y	Y	Y	Y	Y	Y	Y
Method Statement	Y	Y	Y	N	N	N	Y	N
Mobilization Schedule	Y	Y	Y	N	N	Y	Y	N
Construction Schedule	Y	Y	Y	Y	Y	Y	Y	Y
Proposed Sub-contractors	N	NA	NA	N	N	N	N	N
Quality Assurance System	Y	Y	Y	N	N	Y	N	N
Health and Safety Management	Y	Y	Y	N	N	Y	N	N
Environmental Management	Y	Y	Y	N	Y	Y	N	N
Details of Proposed Insurer	Y	Y	Y	N	N	Y	N	N
Other Descriptions, Drawings, Charts (as necessary)	NA	NA	Y	NA	NA	Y	NA	NA
Cash Flow Forecast	Y	P	Y	Y	Y	N	N	Y
<b>Bidder's Qualification</b>								
Form ELI - 1: Bidder's Information Sheet	Y	Y	Y	Y	N	Y	Y	N
Form ELI - 2: Joint Venture Information Sheet	NA	Y	Y	NA	N	N	N	N
Form LIT - 1: Pending Litigation and Arbitration	Y	Y	Y	Y	N	N	N	N
Form FIN - 1: Historical Financial Performance	Y	Y	Y	Y	N	Y	N	N
Form FIN - 2: Average Annual Construction Turnover	Y	Y	Y	Y	N	Y	N	N
Form FIN - 3: Availability of Financial Resources	Y	Y	Y	Y	N	N	N	N
Form FIN - 4: Financial Requirement for Current Contract Commitments	Y	Y	Y	Y	N	N	N	N
Form FIN - 5: Self-Assessment Tool for Bidder's Compliance to Financial Resources	Y	Y	Y	Y	N	N	N	N
Form EXP - 1: Contracts of Similar Size and Nature	Y	Y	Y	Y	N	N	Y	N
Form EXP - 2: Construction Experience in Key Activities	Y	Y	Y	Y	N	N	Y	N

 Required Substantial Responsiveness to a Bid

Y= Yes; N= No; P= Partial; NA= Not Applicable

## APPENDIX 4



**TABLE 2: SUMMARY OF BID PRICES**

(ARITHEMTIC CORRECTIONS AND CORRECTED BID PRICES)

Bidder No.	Bid Price at Opening		Discounts		After Discount		Arithmetic Correction Foreign Currency (US\$)	Corrected Bid Price		Total Corrected Bid Price In (USD)	Ranking
	Foreign Currency (USD)	Local Currency	Foreign Currency (USD)	Local Currency	Foreign Currency (USD)	Local Currency		Foreign Currency (USD)	Local Currency		
	(1)	(1)	(2)	(2)	(3)	(3)	(4)	(5)	-		
1	2,546,990.00	-	0	-	2,546,990.00	-	0	2,546,990.00	-	2,546,990.00	8
2	2,344,487.42	-	211,003.87	-	2,133,483.55	-	-9,900.00	2,123,583.55	-	2,123,583.55	4
3	1,977,307.74	-	0	-	1,977,307.74	-	+38.00	1,977,345.74	-	1,977,345.74	2
4	2,433,868.00	-	0	-	2,433,868.00	-	+75,900.22	2,509,768.22	-	2,509,768.22	7
5	2,116,977.00	-	0	-	2,116,977.00	-	-9,667.11	2,107,309.89	-	2,107,309.89	3
6	2,108,000.83	-	8,000.00	-	2,100,00.83	-	+33,000.00	2,133,000.83	-	2,133,00.83	5
7	1,794,189.70	-	0	-	1,794,189.70	-	+3,863.92	1,798,053.62	-	1,798,053.62	1
8	2,172,318.00	-	0	-	2,172,318.00	-	+73,149.95	2,245,467.95	-	2,245,467.95	6

1 Based on the selling Exchange Rate: N/A

**DETAILS ON ELIGIBILITY OF BIDDERS**

No	Requirement	Bidding Documents Reference	Bidder No.1	Bidder No.2	Bidder No.3	Bidder No.4	Bidder No.5	Bidder No.6	Bidder No.7	Bidder No.8
1	Single Entity or Joint Venture If Joint Venture, all partners must be jointly and severally liable.	Section 1, Clause 4.1	Single Entity	Joint Venture partners are jointly and severally liable	Joint Venture partners are jointly and severally liable	Single Entity	Single Entity	Single Entity	Single Entity	Single Entity
2	Bidder must be a national of an eligible ADB member country  Proposed Subcontractors or Suppliers must be nationals of an eligible ADB member country	Section 1, Clause 4.2	Lao PDR (All from eligible ADB member countries)	Lao PDR (All from eligible ADB member countries)	Lao PDR (All from eligible ADB member countries)	Lao PDR (All from eligible ADB member countries)	Lao PDR (All from eligible ADB member countries)	Lao PDR (All from eligible ADB member countries)	Lao PDR (All from eligible ADB member countries)	Lao PDR (All from eligible ADB member countries)
3	Conflict of Interest	Section 1, Clause 4.3	None	None	None	None	None	None	None	None
4	Declared Ineligible	Section 1, Clause 4.4	No	No	No	No	No	No	No	No
5	Government-owned enterprise in Employers Government-owned enterprise in the borrower's company shall be eligible only if they can establish that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not a dependent agency of the borrower	Section 1, Clause 4.5	Not a govt. owned enterprise	Govt. owned enterprise legally & financially autonomous and not a dependent agency of the employer	Govt. owned enterprise legally & financially autonomous and not a dependent agency of the employer	Not a govt. owned enterprise	Not a govt. owned enterprise	Not a govt. owned enterprise	Not a govt. owned enterprise	Not a govt. owned enterprise
6	Not having been Declared ineligible based on a United Nations resolution.	Section 1, Clause 4.7	Not Declared ineligible	Not Declared ineligible	Not Declared ineligible	Not Declared ineligible	Not Declared ineligible	Not Declared ineligible	Not Declared ineligible	Not Declared ineligible

## APPENDIX 5





**TABLE 3: SUBSTANTIVE RESPONSIVENESS OF BIDS**

No.	Requirements	Bidding Doc. Reference	Bidder No.						
			1	2	3	4	5	6	7
1	Power of Attorney	Section 1, Clause 20.2 Section 2 ITB 20.2	C	C	NA	NA	NA	N	C
2	Signature on Documents	Section 1, Clause 20.2	C	C	C	C	C	N	C
3	Joint Venture Agreement or Letter of Inter to Enter into an Agreement	Section 1, Clause 4.1	NA	C	NA	N	N	N	C
4	Eligibility (a) Bidder and Sub Contractor (b) Bidder Affiliated with Consultant (c) Material & Equipment	Section 1, Clause 4 Clause 5	C C C	C C C	C C C	C C C	C C C	N N N	C C C
5	Bid Validity (120 days)	Section 1, Clause 18 Section 2 ITB 18.1	C	C	C	C	C	N	C
6	Bid Security (a) Amount and Validity (b) Format and Terms	Section 1, Clause 19 Section 2 ITB 19.1	C C	C C	C C	C C	C C	N N	C C
7	Time for Completion	Section 8, GCC 1.1 (w)	C	C	C	C	C	N	C
8	Terms of Payment (a) Advance payment (15%) (b) Retention Money (10%) (c) Not Applied	Section 8, GCC 58.1 GCC 55.1 GCC 54.1	C C C	C C C	C C C	C C C	C C C	N N N	C C C
9	Liquidated Damage (a) Rate (0.05% per day) (b) Maximum Limit (10%)	Section 8, GCC 56.1	C C	C C	C C	C C	C C	N N	C C
10	Defects Liability Period (365 Days)	Section 8, GCC 43.1	C	C	C	C	C	N	C
11	Performance Security (10%)	Section 8, GCC 59.1	C	C	C	C	C	N	C
	<b>FINDINGS</b>		C	C	C	C	C	NC	C

C = Complied

NA = Not Applicable

NC = Not Complied

PC = Partially Complied

R = Substantially Responsive

<sup>1</sup> State reason



## APPENDIX 6



**TABLE 4: TIME FOR COMPLETION OF JAJOR WORK ITEMS & ASSESSMENT OF CONSTRUCTION METHODS**

Item No.	Particular	Period for Completion (months)						
		Employer Program	Bidder 2		Bidder 3		Bidder 4	
1	Large Scale Rehabilitation	18	18	Y	18	Y	18	Y
2	Performance Based Maintenance	24	24	Y	24	Y	24	Y

Item No.	Construction Methods	Findings		
		Bidder 2	Bidder 3	Bidder 4
1	Logic of Construction Schedule	AA	A	A
2	Feasibility of Achieving Schedule	AA	A	A
3	Assessment of Construction Method	A	A	Not Submitted

Note:            Y =      Within Specified months  
                      NC=      Not Show Clearly

                     A=      A  
                      AA=     Marginally Acceptable.



## APPENDIX 7





## Appendix 7

TABLE 5: BID PRICE COMPARISON

Sr. No.	Particulars	Bidder No.2		Bidder No.3		Bidder No.4	
		Foreign (USD)	Local (LC)	Foreign (USD)	Local (LC)	Foreign (USD)	Local (LC)
1	Bid Price (As Submitted) Including Discounts	2,133,483.55	-	1,977,307.74	-	2,433,868.00	-
2	Bid Price (As Corrected)	2,123,583.55	-	1,977,345.74	-	2,509,768.22	-
3	Amount to be Adjusted For Deviations (a) Commercial (b) Technical	-	-	-	-	-	-
4	Sub-Total (2) to (3)	2,123,583.55	-	1,977,345.74	-	2,509,768.22	-
5	Converted to LC for Comparison	-	-	-	-	-	-
6	<b>Ranking</b>	(2)		(1)		(3)	

1 Based on selling exchange rate: NA



## APPENDIX 8



## Appendix 8

TABLE 6 COMPARISON OF CONSTRUCTION EQUIPMENT

No.	Type of Equipment and Characteristics	Engineer Estimate		Bidder No.3		Bidder No.2		Bidder No.4	
		Capacity	Nos.	Capacity	Nos.	Capacity	Nos.	Capacity	Nos.
1	Dump/Tipper Truck,	8-10m3	NA						
2	Dump/Tipper Truck,	5-8m3	15	DAEWOO MITSUBISHI	6	HINO HYUNDAI	4 2	ISUZU NISSAN ISUZU MITSUBISHI HINO	6 5 2 2 6
3	Flatbed Truck,	8-12ton	1	-	0			TOYOTA ISUZU MITSUBISHI	5 1 1
4	Pick-up,	1-3ton	1	-	0	TOYOTA FORD MIZUBISI	2 1 1	-	0
5	Tractor,75kw , with Trailer	75kW	1	-	0	ISUZU	1	ISUZU NISSAN	1 1
6	Smooth Steel DRUM roller,	8-9 ton	2	JVC VOLVO MIKASA MAKITA	2 1 2	SAKAI	4	SAKAI INGERSOLLA ND	1 1
7	Pneumatic Roller, multi-wheel	8-12 tons	1	SAKAI	1	-	0	DYNAPAC SAKAI	2 2
8	Vibrating Roller, Smooth Steel Wheels	12-15 tons	2	HONDA	1	-	0	BOMAG KOMATSU DYNAPAC	1 1 1

## Bid Evaluation For Contract No.CW-4 Xek-LR 7615

9	Wacker-Packer Compactor, Vibratory		2	-	0				3
10	Water Tanker, with Spray Bar	4000-6000 litres	2	MITSUBISHI FUSO	1	HYUNDAI	2	ISUZU HINO	4 2
11	Hydraulic Excavator,	100hp	4	KOMATSU JVC	2 1	KOBELCO KOMATSU	5 1	KOMATSU CAT 320E HITACHI	2 2 1
12	Wheeled Backhoe/ Loader,	75 hp	1			-	0	KOMATSU CAT938 F	1 1
13	Motor Grader, with Scarify	>100hp	2	CAT 140 G	1	KOMATSU	3	KOMATSU MITSUBISHI	1 1
14	Bitumen Distributor,	>6,000 ltr.	1	MITSUBISHI	1	-	0	ISUZU HINO	1 1
15	Bitumen Heater		1	-	0	-	0	-	0
16	Chip Spreader		1	-	0	-	0	LAMPAC	1
17	Bitumen Storage Tank with Drum decanting equipment 10,000 liter.	10,000 liter	1	-	0	-	0	MARINI	3
18	Concrete Mixer (1 bag cement min size)	1 bag cement min size)	4	THAILAND	2	-	0	YANMAR	2
19	Vibrators-prime mover with 2x50mm pokers		4	HONDA	2	-	0	-	0
20	Machine for filling of Bituminous Pavement Cracks		NA	-	0	-	NA	-	NA
21	Spray Patching Equipment		NA		NA		NA	-	NA
22	Compressor With Adequate Attachments>5m3/min		1	-	0	-	0	AIRMAN ATLAS	1 2
23	The Bidder has to indicate and verify the source of base course material, chipping, and crushed aggregates for Concrete.		yes	YONGNAMH IENG	1	-	No Detail in formati on	William NORBERG	2 1

## APPENDIX 9





**TABLE 7: SUBCONTRACTING**

Bidder No.	Work to be Subcontracted			Subcontractor		Evaluation
	Work Item		Estimated Value (US\$)	Name	Experience	
3	N-A	N-A	N-A	Did Not Propose	N-A	N-A
2	N-A	N-A	N-A	Did Not Propose	N-A	N-A
4	N-A	N-A	N-A	No Information	N-A	N-A

**Note:**            N-A=            Not Applicable

                      N=            Not Show Clearly



## APPENDIX 10



**TABLE 8: PAYMENT SCHEDULE**

Contract No.: CW-4 Kek-LR 7615

Period in Months	Bidder No. 2		Bidder No. 3		Bidder No. 4	
	Foreign Currency (US\$)	Total Amount (US\$)	Foreign Currency (US\$)	Total Amount (US\$)	Foreign Currency (US\$)	Total Amount (US\$)
<b>Starte Date</b>	1,898,263.50	1,898,263.50				
1 to 2 (First Year)	0	1,898,263.50	5.00	5.00	94,641.86	94,641.86
2 to 3	0	1,898,263.50	8.00	13.00	73,081.86	167,723.73
3 to 4	0	1,898,263.50	11.86	24.86	93,850.61	261,574.34
4 to 5	0	1,898,263.50	12.50	37.36	241,198.28	502,772.62
5 to 6	0	1,898,263.50	6.13	43.49	193,177.81	695,950.43
6 to 7	0	1,898,263.50	5.79	49.28	137,125.31	833,075.74
7 to 8	0	1,898,263.50	5.57	54.85	8,055.97	841,131.71
8 to 9	0	1,898,263.50	15.34	70.19	8,055.97	849,187.68
9 to 10	0	1,898,263.50	16.00	86.19	8,055.97	857,243.65
10 to 11	0	1,898,263.50	12.73	98.92	8,055.97	865,299.63
11 to 12	0	1,898,263.50	13.00	111.92	239,637.57	1,104,937.20
12 to 13	0	1,898,263.50	12.50	124.42	254,265.17	1,359,202.37
13 to 14 (Second year)	0	1,898,263.50	11.00	135.42	254,265.17	1,613,467.54
14 to 15	0	1,898,263.50	10.00	145.42	125,190.51	1,738,658.05
15 to 16	0	1,898,263.50	11.00	156.42	51,718.89	1,790,376.94
16 to 17	0	1,898,263.50	10.00	166.42	52,568.89	1,842,945.83
17 to 18	0	1,898,263.50	5.00	171.42	130,025.09	1,972,970.92
18 to 19	0	1,898,263.50	5.20	176.62	98,081.76	2,071,052.67
19 to 20	0	1,898,263.50	1.35	177.97	9,510.42	2,080,563.09
20 to 21	0	1,898,263.50	1.35	179.32	9,510.42	2,090,073.51
21 to 22	0	1,898,263.50	1.35	180.67	9,510.42	2,099,583.92
22 to 23	0	1,898,263.50	1.35	182.02	9,510.42	2,109,094.34
23 to 24	0	1,898,263.50	1.35	183.37	6,010.00	2,115,104.34
24 to 25	0	1,898,263.50	1.35	184.72	6,010.00	2,121,114.34
25 to 26 (Third year)	0	1,898,263.50	1.35	186.07	6,010.00	2,127,124.34
26 to 27	0	1,898,263.50	1.35	187.42	6,010.00	2,133,134.34
27 to 28	0	1,898,263.50	1.35	188.77	6,010.00	2,139,144.34
28 to 29	0	1,898,263.50	1.35	190.12	6,010.00	2,145,154.34
29 to 30	0	1,898,263.50	1.35	191.47	6,010.00	2,151,164.34
30 to 31	0	1,898,263.50	1.35	192.82	6,010.00	2,157,174.34
31 to 32	0	1,898,263.50	1.35	194.17	10,645.42	2,167,819.76
32 to 33	0	1,898,263.50	1.35	195.52	10,645.42	2,178,465.17
33 to 34	0	1,898,263.50	1.35	196.87	10,645.42	2,189,110.59
34 to 35	0	1,898,263.50	1.35	198.22	10,645.42	2,199,756.01
35 to 36	0	1,898,263.50	1.35	199.57	7,145.00	2,206,901.01
36 to 37	0	1,898,263.50	1.35	200.92	7,145.00	2,214,046.01
37 to 38 (Forth year)	0	1,898,263.50	1.35	202.27	7,145.00	2,221,191.01
38 to 39	0	1,898,263.50	1.35	203.62	7,145.00	2,228,336.01
39 to 40	0	1,898,263.50	1.35	204.97	7,145.00	2,235,481.01
40 to 41	0	1,898,263.50	1.35	206.32	7,145.00	2,242,626.01
41 to 42	1,898,263.50	1,898,263.50	1.35	207.67	7,145.00	2,249,771.01
42 to 43			1.35	209.02	7,145.00	2,256,916.01
43 to 44			1.35	210.37		
44 to 45			1.35	211.72		

45 to 46			1.35	213.07		
46 to 47			1.35	214.42		
47 to 48			1.35	215.77		
48 to 49			1.35	217.12		
49 to 50			1.35	218.47		
Total		1,898,263.50		218.47		2,256,916.01

Note:

- Monsoon Period

- The figures shown based on before arithmetically correction.

## APPENDIX 11





## Appendix 11

TABLE 9: CONSTRUCTION FACILITIES

	Bidder No.3	Bidder No.2	Bidder No.4
1. Aggregate Plant	A They indicate and specify the Source of base course and Crushed aggregate for Concrete Material.	N They did not indicate and specify the Source of base course and Crushed aggregate for Concrete Material.	A They indicate and specify the Source of base course and Crushed aggregate for Concrete material.
2. Testing Laboratory	N	N	N
3. Main office/Camp/ Workshop	N	N	N

**Note:** A = Acceptable      NA= Not Acceptable      N = Not indicated in the bid Documents



## APPENDIX 12



TABLE 10: PRICE FOR SELECTIONS OF THE WORK AS PERCENTAGES OF THE TOTAL BID PRICES (US\$)

Section No.	Description	Engineers Estimate		Bidder No. 2		Bidder No. 3		Bidder No. 4	
		Value	% of Total Estimate	Value	% of Bid Price	Value	% of Bid Price	Value	% of Bid Price
<b>I</b>	<b>GENERAL ITEMS</b>								
<b>1</b>	<b>GENERAL PROVISION</b>	267,980.00	10.12	197,320.00	9.29	217,930.00	11.02	172,500.00	6.87
	<b>Sub-Total for General Items:</b>	<b>267,980.00</b>		<b>197,320.00</b>		<b>217,930.00</b>		<b>172,500.00</b>	
<b>II</b>	<b>REHABILITATION WORKS</b>								
<b>1</b>	<b>LARGE SCALE REHABILITATION WORKS</b>								
<b>Bill 200</b>	<b>EARTH WORKS</b>								
201	Clearing and Grabbing/Tree Removal	27,600.00	1.04	23,000.00	1.08	14,720.00	0.74	46,000.00	1.83
203	Roadway Excavation	23,362.66	0.88	29,497.35	1.39	29,497.35	1.49	56,960.40	2.27
204	Construction of Embankment	120,383.33	4.55	100,081.50	4.71	63,776.52	3.23	136,081.50	5.42
207	Structure Excavation	6,479.90	0.24	6,100.50	0.29	7,285.74	0.37	6,972.00	0.28
209	Reconditioning of Existing Pavement	68,519.02	2.59	52,981.25	2.49	27,247.50	1.38	98,393.75	3.92
	<b>Sub-Total for Bill 200:</b>	<b>246,344.91</b>		<b>211,660.60</b>		<b>142,527.11</b>		<b>344,407.65</b>	
<b>Bill 300</b>	<b>PAVEMENT</b>								
301	Aggregate Sub-Base	308,364.14	11.64	279,105.00	13.14	204,677.00	10.35	186,070.00	7.41
302	Crushed Aggregate Base Course	228,540.95	8.63	280,630.00	13.21	200,450.00	10.14	224,504.00	8.95
303	Prime Coat	91,242.74	3.45	63,037.50	2.97	63,037.50	3.19	75,645.00	3.01
304	Surface Dressing and Bituminous Seal Coat	302,369.19	11.42	211,325.00	9.95	208,250.00	10.53	237,202.00	9.45
312	Gravel Wearing Course	179,816.68	6.79	162,720.00	7.66	185,500.80	9.38	271,200.00	10.81
313	Sand Layer Under Concrete Pavement	1,149.20	0.04	1,020.00	0.05	2,080.80	0.11	816.00	0.03
314	Rigid Pavement/Concrete Pavement	233,654.40	8.82	259,920.00	12.24	205,200.00	10.38	300,960.00	11.99
	<b>Sub-Total for Bill 300:</b>	<b>1,345,137.30</b>		<b>1,257,757.50</b>		<b>1,069,196.10</b>		<b>1,296,397.00</b>	
<b>Bill 400</b>	<b>DRAINAGE SYSTEMS</b>								
401	Box Culverts	87,101.98	3.29	82,830.00	3.90	93,004.74	4.70	100,150.00	3.99
402	Pipe Culverts	47,207.47	1.78	45,556.00	2.15	53,712.52	2.72	41,684.00	1.66

404	Ditch, Apron Protection and Inlet and Outlet Structure	20,416.10	0.77	18,132.50	0.85	21,683.68	1.10	28,630.00	1.14
	<b>Sub-Total for Bill 400:</b>	<b>154,725.55</b>		<b>146,518.50</b>		<b>168,400.94</b>		<b>170,464.00</b>	
<b>Bill 600</b>	<b>OTHER WORKS</b>								
604	Traffic Marking	2,440.80	0.09	2,160.00	0.10	1,920.00	0.10	1,920.00	0.08
605	Traffic Signs	11,600.00	0.44	13,360.00	0.63	21,080.00	1.07	24,320.00	0.97
606	Kilometer and Edge Marker (Guide) Posts	7,125.00	0.27	8,295.00	0.39	5,964.17	0.30	5,650.00	0.23
	<b>Sub-Total for Bill 600:</b>	<b>21,165.80</b>		<b>23,815.00</b>		<b>28,964.17</b>		<b>31,890.00</b>	
	<b>Summary Bill 200 - Bill 600:</b>	<b>1,767,373.56</b>		<b>1,639,751.60</b>		<b>1,409,088.32</b>		<b>1,843,158.65</b>	
<b>III</b>	<b>PERFORMANCE BASED MAINTENANCE</b>								
Bill BP 100	Performance Based Maintenance Work	346,639.40	13.09	232,200.00	10.93	122,354.96	6.19	177,060.00	7.05
	<b>Sub-Total for Performance Based Maintenance Wor</b>	<b>346,639.40</b>		<b>232,200.00</b>		<b>122,354.96</b>		<b>177,060.00</b>	
<b>IV</b>	<b>EMERGENCY WORKS (Provisional Quantities)</b>	<b>25,726.50</b>	<b>0.97</b>	<b>26,512.50</b>	<b>1.25</b>	<b>32,812.75</b>	<b>1.66</b>	<b>32,655.00</b>	<b>1.30</b>
	<b>Sub-Total for Emergency Works</b>	<b>25,726.50</b>		<b>26,512.50</b>		<b>32,812.75</b>		<b>32,655.00</b>	
<b>V</b>	<b>DAYWORKS</b>	-		26,568.10	1.25	15,401.00	0.78	46,222.00	1.84
	<b>Sub-Total for Dayworks</b>	-		<b>26,568.10</b>		<b>15,401.00</b>		<b>46,222.00</b>	
<b>VI</b>	<b>SUMMARY OF SPECIFIED PROVISIONAL SUMS</b>	69,000.00	0	69,000.00	0	69,000.00	0	69,000.00	
	<b>Sub-Total for Provisional Sums</b>	<b>69,000.00</b>		<b>69,000.00</b>		<b>69,000.00</b>		<b>69,000.00</b>	
<b>Total:</b>		<b>2,407,719.46</b>	<b>90.91</b>	<b>2,122,352.20</b>	<b>99.94</b>	<b>1,797,587.03</b>	<b>90.91</b>	<b>2,271,595.65</b>	<b>90.51</b>
<b>Contingency 10%</b>		<b>240,771.95</b>	<b>9.09</b>	<b>212,235.22</b>	<b>9.99</b>	<b>179,758.70</b>	<b>9.09</b>	<b>227,159.57</b>	<b>9.05</b>
<b>Contractor Adjustment</b>				<b>-211,003.87</b>				<b>11,013.00</b>	
<b>Total: (Sub-Total + Contingency 10%)</b>		<b>2,648,491.41</b>	<b>100.00</b>	<b>2,123,583.55</b>	<b>109.94</b>	<b>1,977,345.74</b>	<b>100.00</b>	<b>2,509,768.22</b>	<b>99.56</b>
<b>Engineer's Estimate Comparison</b>				Lower then Engineer's Estimate - 19.82%		Lower than Engineer's Estimate - 25.34%		Lower then Engineer's Estimate - 5.24%	