



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-1 Sal-NR 20

**Rehabilitation and Maintenance Works of NR 20
Salavan City (Red Cross Office) to Champasak Border (56.00
km)
Salavan Province**

26 JANUARY 2018

Contents (Works-Small Contract)

1.	INTRODUCTION	1
1.1	General	1
1.2	Submission of Bids	1
1.3	Bid Opening.....	1
1.4	Basic Data and Exchange Rates	1
1.5	Bid Evaluation Committee.....	1
2.	EXAMINATION FOR COMPLETENESS OF BIDS.....	2
2.1	Bid Documents	2
2.2	Propriety of Signature and Power of Attorney	2
3.	DETERMINATION OF SUBSTANTIVE RESPONSIVENESS OF BIDS.....	2
3.1	Eligibility of Bidders and Goods	2
3.2	Bidders' Qualification	2
3.3	Arithmetic Check and Corrections.....	3
3.4	Compliance with Commercial Terms and Conditions	3
	3.4.1 Bid Validity and Bid Security	3
	3.4.2 Time for Completion	3
	3.4.3 Terms of Payment	3
3.5	Compliance with Technical Requirements	3
	3.5.1 Technical Deviations.....	3
4.	DETAILED EVALUATION OF BIDS	3
4.1	Selection of Bids for Detailed Evaluation.....	3
4.2	Commercial Terms and Conditions	4
4.3	Evaluation for Technical Requirements.....	4
	4.3.1 Technical Specifications	4
	4.3.2 Construction Schedule and Sequence of Construction Activities.....	4
	4.3.3 Construction Method.....	4
	4.3.4 Construction Equipment.....	4
	4.3.5 Site Organization and Key Field Personnel	4
	4.3.6 Subcontracting	5
	4.3.7 Labor, Materials and Cash Flow	5
	4.3.8 Construction Facilities.....	5
4.4	Analysis of Prices	5
4.5	Clarifications	5
5.	COMPARISON OF BIDS AND DETERMINATION OF LOWEST EVALUATED BID.....	5
5.1	Lowest Evaluated Bid	5
5.2	Examination for Unbalanced Prices for Lowest Evaluated Bid	5
5.3	Deviations, Reservations, and Omissions	6
6.	CONCLUSIONS AND RECOMMENDATIONS	6
APPENDICES		
Appendix 1.	RECORD OF BID OPENING	
Appendix 2.	BASIC DATA SHEET	
Appendix 3.	TABLE 1: EXAMINATION OF COMPLETENESS OF BID DOCUMENTS	
	TABLE 1-1: SUPPLEMENTARY EXAMINATION OF COMPLETENESS OF BID DOCUMENTS	
Appendix 4.	TABLE 2: SUMMARY OF BID PRICES (ARITHMETIC CORRECTIONS AND CORRECTED BID PRICES).....	
Appendix 5.	TABLE 3: SUBSTANTIVE RESPONSIVENESS OF BIDS	
Appendix 6.	TABLE 4: TIME FOR COMPLETION OF MAJOR WORK ITEMS AND ASSESSMENT OF CONSTRUCTION METHODS	

Appendix 7.	TABLE 5: BID PRICE COMPARISON WITH PRICE ADJUSTMENTS
Appendix 8.	TABLE 6: COMPARISON OF CONSTRUCTION EQUIPMENT (ENGINEER'S ESTIMATE VS PROPOSAL OF BIDDERS)
Appendix 9.	TABLE 7: SUBCONTRACTING
Appendix10.	TABLE 8: PAYMENT SCHEDULE BIDDERS
Appendix11.	TABLE 9: CONSTRUCTION FACILITIES BIDDERS
Appendix12.	TABLE 10: PRICES FOR SECTIONS OF THE WORK AND AS PERCENTAGES OF THE TOTAL BID PRICES

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-1 Sal-NR 20. 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 27 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. Four (4) 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 November 2017 as scheduled in the Invitation for Bids. Out of thirteen (13) bidders who purchased the bidding documents, seven (7) bidders submitted bids.

1.3 Bid Opening

Bids were opened as specified in the bidding documents at 2:00 pm on 18 November 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. Soulignet 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 bidders No.4, No.6 didn't submit the major supporting documents for bidder's qualification provided with the bidding documents (refer to 3.2). Bidder No. 6 did not attach the cash flow tabulation. The bidder No.5 provided cash flow only for the rehabilitation work period, 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 Section1- 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. Three (3) bidders No.1, No. 2 and No.5 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.2, No.4 and No.6 didn't submit some of 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, No.5 and No.7 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 Security¹

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.

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.1, No.2, No.5 and No.7 submitted the formal requirements as stipulated in the bidding documents, and bidder No.3 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 two (2) 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. 1, 5 and 3 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 (From the lowest)
4	Sone Road-Bridge Construction Company	1,356,300.00	1,378,583.36	1 rejected	-
6	Thongphouphane oudomsine Repair Road and Bridge Sole Co.Ltd.	1,716,599.50	1,736,048.38	2 rejected	25.93%
1	Somxay Chalern Construction Road and Bridge	1,755,699.00	1,749,759.00	3	26.92%
5	Khounxay Construction Development Group Sole Co.Ltd.	1,794,347.38	1,785,629.37	4	29.53%
3	State Enterprise Integrated Road and Bridge Construction	1,834,076.39	1,892,640.64	5	37.30%
2	Road No.8 Construction Enterprise (R8CE) and Tay Truong Son Construction Sole Co.Ltd (TSC) Joint Venture	2,051,884.98	2,046,071.62	6	48.42%
7	Anhui Shuiian Construction Group Co.Ltd Laos	2,799,738.70	2,840,050.03	7	106.02%

Note: the bid prices in the tables 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 generally 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. The bidder No.1 and No.3 did not meet the requirements, but it might be a cause of miscounting of commencement day of the performance based maintenance. The bidders counted after the rehabilitation completed, but some part of performance based maintenance could commence soon after the contract award. These differences were not considered substantial.

4.3.3 Construction Methods

The construction methods proposed by the two bidders, No1 and No.5 were reviewed and evaluated. Overall, the two bidders' proposed construction methods were acceptable. The bidder No.3 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 and they are accepted as shown in Appendix 8.

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 site organization and key personnel proposed by the bidders No.1 and No.5 were generally acceptable. No serious deficiency was noted in the scrutiny. The bidder No.3 did not inform of the junior engineers, environmental officer and health / safety officers, 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.3 didn't submit details of the subcontractors and the bidder No.1 and No.5 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 bidders No.1 and No.5 submitted their proposed schedule major materials (such as sub base and base course material etc.). The proposals were reviewed with their construction methods and construction program. The proposals have minor inconsistencies but generally were considered satisfactory. The bidder No.3 did not submit the information clearly. The payment schedule (cash flow) of Bidder No.1, No.5 and No.3 is attached as Appendix 10. The bidder No.5 provided cash flow only for the rehabilitation work period. 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. Only the Bidder No.1 provided some information of the aggregate plant and testing but the other two bidder 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, prior the contract will be awarded to the bidder which submitted the lowest evaluated substantially responsive bid.

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. 1 for a total evaluated bid price of 1,749,759.00 USD.

5.2 Examination of Unbalanced Prices for Lowest Evaluated Bid

Comparison of unit rates and prices, particularly the Rehabilitation works and Performance Based Maintenance 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 the Executing Agency's estimate. There are high prices for pavement (Bill 300) in the second lowest Bid (Bidder No.5), and the total amount of items with high unit rates and prices of the second lowest bidder is 18% of its total bid price. However the other bids should not be considered as an unbalanced bid.

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

Those work items which were to be carried out in the first twelve (12) months for the

Rehabilitation works are considered as early work items. There are unbalanced prices for pavement (Bill 300) in the second lowest Bid (Bidder No.5), and the total amount of items with high unit rates and prices of the second lowest bidder is 18% of its total bid price. However the other bids should not be considered as an unbalanced bid.

(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. 1, is about 10% lower than the Executing Agency's estimate. The unit prices of the Performance Based Maintenance Works were rather low compared with other works of a similar nature in the country, but the Box Culverts which are one of major works of the Project were only 2% lower of a similar price as in other projects. Thus, it was considered that the bid of the lowest evaluated bidder is not substantially low 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. 1 was the lowest evaluated substantially responsive bid. Therefore, it was recommended that the Contract for CW-1 Sal-NR20 be awarded to Bidder No. 1 for the contract amount of 1,749,759.00 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)







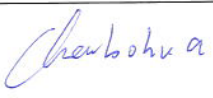
APPENDIXES

APPENDIX 1

RECORD OF BID OPENING

LOAN NO.: 3368-LAO PROJECT TITLE: Road Sector Governance and Maintenance Project (RSGMP)
 BID NO.: CW-1 Sal-NR 20 (NCB) BID/ CONTRACT TITLE: Rehabilitation and Maintenance Works of NR 20 in Salavanh 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 <i>(USD)</i>	Bid Amount <i>(USD)</i>	Discounts Offered <i>(Any discounts offered shall be recorded. Any alternative bids shall be opened.)</i>	Remarks <i>(if any)</i>	Signature of Bidders Representatives	Time received The Bid Documents
1	Somxaychaleun Road and Bridge Construction Co., Ltd	48,700	1,755,699.00	N			13:35
2	R8CE-TSC	48,700	2,051,884.98	N			13:13
3	State Enterprise Intergrated Road and Bridge Constuction	39,200	1,834,076.39	N			13:00
4	Sone Construction and Repair Road-Bridge Co., Ltd	39,200	1,356,300.00	N			12:55
5	Khounxay Phatthana Co., Ltd	48,700	1,794,347.38	N			13:05
6	Thongphouphanh OUDOMSIN Road-Brigde Maintenance and Costruction Sole Company Limited	39,200	1,716,599.50	N			13:00
7	ANHUI SHUIAN Construction Group LAO Company	39,200	2,799,738.70	N			13:25

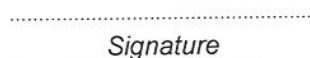
2. The following bidders' representatives attended the public opening of bids and a copy of the attendance sheet is attached as an annexure of this record.

No.	Name	Designation	Bidding Company Represented
1	See Attendance Sheet CW-1 Sal-NR 20 (NCB)		
2			
3			
4			
5			
6			
7			
8			

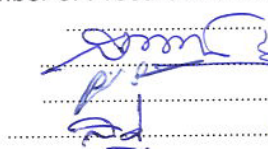
3. Matters transpiring during the opening of bids (Note: Any modifications, bid withdrawals, complaints received, and clarifications made or announced by the bid opening committee should be recorded)
4. Reading and signing of bids ended at 15:00 hours.



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



Signature
 Member of Procurement Committee



Mr. Somsay Keommanivanh
 Mr. Saulignet
 Mr. Thong Souk



Signature
 Member of Procurement Committee

Mr. Somsay Keommanivanh (Deputy Director of DPWT Attache)
 Mr. Saulignet Vixayxangdeeth (Project Manager, DoR)
 Mr. Thong Souk Aphayalath (Deputy Project Manager, DPWT Attache)

ATTENDANCE SHEET FOR OPENING OF BIDS

LOAN NO.: 3368-LAO PROJECT TITLE: Road Sector Governance and Maintenance Project (RSGMP)
 BID NO.: CW-1 Sal-NR 20 (NCB) BID/CONTRACT TITLE: Rehabilitation and Maintenance Works of NR 20 in Salavanh Province

Place: ~~Conference Room, 2nd Floor of the front building, Ministry of Public Works and Transport, Lane Xang Avenue, Vientiane, Lao PDR~~ *Meeting Room No.1*
 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	<i>Sone Construction Co., Ltd</i>	Mr. Soutsana Panyakhoun	Deputy Director	<i>[Signature]</i>	12:55
2	<i>—</i>	Mr. Sinvone Panyakhoun	Deputy Director	<i>[Signature]</i>	12:55
3	<i>—</i>	Mr. Nolkone Keointa	Technical Staff.	<i>[Signature]</i>	12:55
4	<i>Phongphaphadomsin Co., Ltd</i>	Mr. Phouviengkessak Sith	Representative	<i>[Signature]</i>	13:00
5	<i>State Enterprise integrated Co.</i>	Mr. Bouathai Keomavich	Deputy Director	<i>[Signature]</i>	13:00
6	<i>AN HUI SHUAN Construction Co., Ltd</i>	<i>Chenbohua/chishuai</i>	Manager	<i>Chenbohua/chishuai</i>	13:03
7	<i>Khammay Construction development Group</i>	<i>Mo. Phommikone Sittadarak</i>	Senior project. m.	<i>[Signature]</i>	13:05
8	<i>R8CE-TSC JV</i>	Mr. Phouthone Panyasiri	Engineer	<i>[Signature]</i>	13:13
9	<i>Somxaychalern Co., Ltd</i>	Mr. Panyaphone Manyan	Head of planning	<i>[Signature]</i>	13:35
10					
11					
12					
13					
14					

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 NR 20 in Salavanh Province (56 km)
4.	Bid or Contract Number:	CW-1 Sal-NR 20 (NCB)
5.	Estimated Value/ Engineer's Estimate:	1,956,000 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:7.....
11.	Bid Validity Expires on:	17 April 2018 (120 days after bid submission deadline)
12.	Bid Security Amount:	39,200 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

CW-1 Sal-NR 20 (NCB)

Appendix 3

TABLE 1: EXAMINATION OF COMPLETENESS OF BID DOCUMENTS

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

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

CW-1 Sal-NR 20 (NCB)

Appendix 3

TABLE 1.1: SUPPLEMENTARY EXAMINATION OF COMPLETENESS OF BID DOCUMENTS

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

 Required Substantial Responsiveness to a Bid

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

APPENDIX 4

Appendix 4

TABLE 2: SUMMARY OF BID PRICES

Bidder No.	Bid Price at Opening		Discounts		After Discount		Arithmetic Correction Foreign Currency	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	1,755,699.00	-	0	-	1,755,699.00	-	-5,940.00	1,749,759.00	-	1,749,759.00	3
2	2,051,884.98	-	0	-	2,051,884.98	-	-5,813.36	2,046,071.62	-	2,046,071.62	6
3	1,834,076.39	-	0	-	1,834,076.39	-	+58,564.25	1,892,640.64	-	1,892,640.64	5
4	1,356,300.00	-	0	-	1,356,300.00	-	+22,283.36	1,378,583.36	-	1,378,583.36	1
5	1,794,347.38	-	0	-	1,794,347.38	-	-8,718.01	1,785,629.37	-	1,785,629.37	4
6	1,716,599.50	-	0	-	1,716,599.50	-	+19,448.88	1,736,048.38	-	1,736,048.38	2
7	2,799,738.70	-	0	-	2,799,738.70	-	+40,311.33	2,840,050.03	-	2,840,050.03	7

(ARITHEMTIC CORRECTIONS AND CORRECTED BID PRICES)

1 Based on the selling Exchange Rate: NA

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
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	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)	China (All from eligible ADB member countries)
3	Conflict of Interest	Section 1, Clause 4.3	None	None	None	None	None	None	None
4	Declared Ineligible	Section 1, Clause 4.4	No	No	No	No	No	No	No
5	Government-owned enterprise in Employer's 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
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

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	C	NA	C	NA	C
2	Signature on Documents	Section 1, Clause 20.2	C	C	C	C	C	C	C
3	Joint Venture Agreement or Letter of Inter to Enter into an Agreement	Section 1 Clause 4.1	NA	C	NA	NA	NA	NA	NA
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	C C C	C C C
5	Bid Validity (120 days)	Section 1, Clause 18 Section 2 ITB 18.1	C	C	C	C	C	C	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	C C	C C
7	Time for Completion	Section 8, GCC 1.1 (w)	C	C	C	C	C	C	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	C C C	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	C C	C C
10	Defects Liability Period (365 Days)	Section 8, GCC 43.1	C	C	C	C	C	C	C
11	Performance Security (10%)	Section 8, GCC 59.1	C	C	C	C	C	C	C
	FINDINGS		C	C	C	C	C	C	C

C = Complied

NA = Not Applicable

NC = Not Complied

PC = Partially Complied

R = Substantially Responsive

¹ 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 1		Bidder 3		Bidder 5	
1	Large Scale Rehabilitation	12	12	Y	12	Y	12	Y
2	Performance Based Maintenance	42	30	NC	30	NC	Not indicated	

Item No.	Construction Methods	Findings		
		Bidder 1	Bidder 3	Bidder 5
1	Logic of Construction Schedule	A	A	A
2	Feasibility of Achieving Schedule	A	A	A
3	Assessment of Construction Method	A	NC	AA

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

A= A
AA= Marginally Acceptable.

APPENDIX 7

TABLE 5: BID PRICE COMPARISON

Sr. No.	Particulars	Bidder No. 1		Bidder No. 3		Bidder No. 5	
		Foreign (UU\$)	Local (LC)	Foreign (US\$)	Local (LC)	Foreign (US\$)	Local (LC)
1	Bid Price (As Submitted) Including Discounts	1,755,699.00	-	1,834,076.39	-	1,794,347.38	-
2	Bid Price (As Corrected)	1,749,759.00	-	1,892,640.64	-	1,785,629.37	-
3	Amount to be Adjusted For Deviations (a) Commercial (b) Technical	-	-	-	-	-	-
4	Sub-Total (2) to (3)	1,749,759.00		1,892,640.64		1,785,629.37	
5	Converted to LC for Comparison	-	-	-	-	-	-
6	Ranking	(1)		(3)		(2)	

1 Based on selling exchange rate NA

APPENDIX 8

Appendix 8

TABLE 6 COMPAROSON OF CONSTRUCTION EQUIPMENT

No.	Type of Equipment and Characteristics	Engineer Estimate		Bidder No.1		Bidder No.3		Bidder No.5	
		Capacity	Nos.	Capacity	Nos.	Capacity	Nos.	Capacity	Nos.
1	Dump/ Tipper Truck,	8-10m3	5	5-10 m3	5	HINO KAMAZ SHACMAN	8 3 6	HOWO	5
2	Dump/ Tipper Truck,	5-8m3	NA		NA		NA		NA
3	Flatbed Truck,	8-12ton	1	8-12ton (HINO)	1	-	0	HOWO	1
4	Pick-up,	1-3ton	1	1-3ton (HUYNDAI)	1	TOYOTA UAZ	6 1	Chevrolet	1
5	Tractor,75kw , with Trailer	75kW	1	Tractor 75kw with Trailer	1	ISUZU	1	KUBOTA	2

Bid Evaluation for Contract Package No. CW-1 Sal-NR 20

6	Smooth Steel DRUM roller,	8-9 ton	2	8-9 tons (BOMAG)	2	DYNAPAC	2	XCMG	2
7	Pneumatic Roller, multi-wheel	8-12 tons	1	5-12 tons KAWASAKI	1	DYNAPAC	2	XCMG	1
8	Vibrating Roller, Smooth Steel Wheels	12-15 tons	2	12-15 tons SAKAI	2	-	0	XCMG	2
9	“Wacker-Packer” Compactor, Vibratory	4000-6000 litres	2	HONDA	2	-	0	HONDA	2
10	Water Tanker, with Spray Bar		2	4000- 6000lit (ISUZU)	2	ISUZU HINO	1 2	DONGFENG	2
11	Hydraulic Excavator,	100hp	2	100hp KOMATS U PC-500	2	CAT320 SUNY	4 1	KOBELCO	2
12	Wheeled Backhoe/ Loader,	75 hp	2	75 Hp Wheeled Backhoe CAT 520E	2	CAT	2	KOMATSU	2
13	Motor Grader, with Scarify	>100hp	1	>100hp	1	MITSUBISHI SUNY	1	CAT 140 G	2

Bid Evaluation for Contract Package No. CW-1 Sal-NR 20

				CAT 12 G			1		
14	Bitumen Distributor,	>6,000 ltr.	1	7,000litre MITSUBIS HI	1	HINO	1	Metong	1
15	Bitumen Heater		1	TIPCO	1	AKF500	2	8000L	1
16	Chip Spreader		1		1	Lampac	2		1
17	Bitumen Storage Tank with Drum decanting equipment 10,000 liter.	10,000 liter	1	TIPCO	1		1	12,000L	1
18	Concrete Mixer (1 bag cement min size)	1 bag cement min size)	2	1bag cement min size CHAINA	4	YANMA	2	YANMA	4
19	Vibrators-prime mover with 2x50mm pokers		4	Vibrators- Prime mover with 2x50mm Pockers HONDA	2	5 Hp	3	HONDA	4
20	Machine for filling of Bituminous Pavement Cracks		NA		NA		NA		NA
21	Spray Patching Equipment		1		1	-	0	Metong	1

Bid Evaluation for Contract Package No. CW-1 Sal-NR 20

22	Compressor With Adequate Attachments>5m3/min		1	DENYO	2	-	0	-	0
23	The Bidder has to indicate and verify the source of base course material, chipping, and crushed aggregates for Concrete.		-	Specify that will be Supply by Kounmyxa y Crush Stone	1	William W-4320 norberg	1 1	-	No detail for information

APPENDIX 9

TABLE 7: SUBCONTRACTING

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

Note:

N-A= Not Applicable

N= Not Show Clearly

APPENDIX 10

TABLE 8: PAYMENT SCHEDULE

Period in Months	Bidder No. 1		Bidder No. 3		Bidder No. 5	
	Foreign Currency (US\$)	Total Amount (US\$)	Foreign Currency (US\$)	Total Amount (US\$)	Foreign Currency (US\$)	Total Amount (US\$)
Start Date						
1 to 2 (First Year)	52,670.97	52,670.97	98,711.86	98,711.86	30,557.35	30,557.35
2 to 3	115,876.13	168,547.10	73,644.11	172,355.97	180,852.91	211,410.26
3 to 4	94,807.75	263,354.85	166,350.91	338,706.88	132,237.22	343,647.48
4 to 5	94,807.75	358,162.60	149,760.32	488,467.20	132,237.22	475,884.70
5 to 6	168,547.10	526,709.70	155,931.76	644,398.96	132,237.22	608,121.92
6 to 7	25,282.07	551,991.77	166,163.76	810,562.72	18,389.75	626,511.67
7 to 8	30,549.16	582,540.93	23,180.92	833,743.64	18,389.75	644,901.42
8 to 9	31,602.58	614,143.51	23,180.92	856,924.56	18,389.75	663,291.17
9 to 10	237,019.37	851,162.88	23,180.92	880,105.48	18,389.75	681,680.92
10 to 11	210,683.88	1,061,846.76	23,180.92	903,286.40	252,491.62	934,172.54
11 to 12	94,807.75	1,156,654.51	103,796.29	1,007,082.69	252,491.62	1,186,664.16
12 to 13	14,616.19	1,171,270.70	103,796.29	1,110,878.98	185,657.75	1,372,321.91
13 to 14 (Second year)	14,616.19	1,185,886.89	101,871.29	1,212,750.27		
14 to 15	14,616.19	1,200,503.08	94,611.11	1,307,361.38		
15 to 16	14,616.19	1,215,119.27	27,724.40	1,335,085.78		
16 to 17	14,616.19	1,229,735.46	15,050.00	1,350,135.78		
17 to 18	25,150.39	1,254,885.85	105,628.00	1,455,763.78		
18 to 19	35,684.58	1,290,570.43	17,810.00	1,473,573.78		
19 to 20	38,844.84	1,329,415.27	19,005.92	1,492,579.70		
20 to 21	34,367.81	1,363,783.08	19,005.92	1,511,585.62		
21 to 22	19,883.29	1,383,666.37	19,005.92	1,530,591.54		
22 to 23	14,616.19	1,398,282.56	19,005.92	1,549,597.46		
23 to 24	14,616.19	1,412,898.75	12,800.00	1,562,397.46		
24 to 25	14,616.19	1,427,514.94	12,800.00	1,575,197.46		
25 to 26 (Third year)	14,616.19	1,442,131.13	7,800.00	1,582,997.46		
26 to 27	14,616.19	1,456,747.32	7,800.00	1,590,797.46		
27 to 28	14,616.19	1,471,363.51	7,800.00	1,598,597.46		
28 to 29	14,616.19	1,485,979.70	7,800.00	1,606,397.46		
29 to 30	25,150.39	1,511,130.09	7,800.00	1,614,197.46		
30 to 31	37,001.36	1,548,131.45	7,800.00	1,621,997.46		
31 to 32	33,314.39	1,581,445.84	14,005.92	1,636,003.38		
32 to 33	37,001.36	1,618,447.20	14,005.92	1,650,009.30		
33 to 34	19,883.29	1,638,330.49	14,005.92	1,664,015.22		
34 to 35	14,616.19	1,652,946.68	14,005.92	1,678,021.14		
35 to 36	14,616.19	1,667,562.87	7,800.00	1,685,821.14		
36 to 37	14,616.19	1,682,179.06	7,800.00	1,693,621.14		
37 to 38 (Forth year)	14,616.19	1,696,795.25	3,000.00	1,696,621.14		
38 to 39	14,616.19	1,711,411.44	3,000.00	1,699,621.14		
39 to 40	14,616.19	1,726,027.63	3,000.00	1,702,621.14		
40 to 41	14,616.19	1,740,643.82	3,000.00	1,705,621.14		
41 to 42	15,055.12	1,755,698.94	3,000.00	1,708,621.14		
42 to 43			3,000.00	1,711,621.14		
Total		1,755,698.94		1,711,621.14		1,372,321.91

Note:

- Monsoon Period

- The Figure shown based on before arithmetically correction

APPENDIX 11

Appendix 11

TABLE 9: CONSTRUCTION FACILITIES

	Bidder No.1	Bidder No.3	Bidder No.5
1. Aggregate Plant	A Proposed reliable quarry and plant (Khounmyxay Crushing Plant)	N	N
2. Testing Laboratory	Proposed staff but not the facilities.	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. 01		Bidder No. 03		Bidder No. 05	
		Value	% of Total Estimate	Value	% of Bid Price	Value	% of Bid Price	Value	% of Bid Price
I	GENERAL ITEMS								
1	GENERAL PROVISION	332,180.00	18.68	249,174.21	15.66	165,000.00	8.72	186,130.00	11.47
	Sub-Total for General Provision:	332,180.00		249,174.21		165,000.00		186,130.00	
II	REHABILITATION WORKS								
1	LARGE SCALE REHABILITATION WORKS								
Bill 200	EARTH WORKS								
201	Clearing and Grabbing/Tree Removal	131.35	0.01	160.00	0.01	600.00	0.032	140.00	0.01
202	Demolition Works	11,206.00	0.63	10,780.00	0.68	52,500.00	2.77	20,855.00	1.28
203	Roadway Excavation	1,010.82	0.06	3,510.00	0.22	5,607.60	0.30	4,138.00	0.25
204	Construction of Embankment	16,820.21	0.95	32,000.00	2.01	14,945.00	0.79	14,045.00	0.87
207	Structure Excavation	20,131.17	1.13	18,952.50	1.19	27,075.00	1.43	21,660.00	1.33
	Sub-Total for Bill 200:	49,299.55		65,402.50		100,727.60		60,838.00	
Bill 300	PAVEMENT								
301	Aggregate Sub-Base	11,268.96	0.63	6,800.00	0.43	8,840.00	0.47	10,200.00	0.63
302	Crushed Aggregate Base Course	11,771.74	0.66	15,694.00	0.99	12,390.00	0.65	12,390.00	0.76
303	Prime Coat	4,463.89	0.25	4,317.60	0.27	3,700.80	0.20	5,242.80	0.32
304	Surface Dressing and Bituminous Seal Coat	18,695.27	1.05	19,080.00	1.20	14,352.00	0.76	17,145.60	1.06
305	Bituminous Pavement Courses (Asphalt Concrete)	25,509.60	1.43	14,172.00	0.89	38,736.80	2.05	283,440.00	17.46
306	Tack Coat	2,078.56	0.12	1,984.08	0.12	2,456.48	0.13	2,409.24	0.15
314	Rigid Pavement/Concrete Pavement	341.60	0.02	700.00	0.04	920.00	0.05	230.00	0.01
	Sub-Total for Bill 300:	74,129.62		62,747.68		81,396.08		331,057.64	
Bill 400	DRAINAGE SYSTEMS								
401	Box Culverts	458,165.86	25.77	494,924.00	31.11	475,985.00	25.15	525,095.00	32.35
402	Pipe Culverts	11,478.68	0.65	14,432.00	0.91	10,000.00	0.53	12,700.00	0.78
404	Ditch, Apron Protection and Inlet and Outlet Structure	90,683.49	5.10	63,298.50	3.98	58,908.60	3.11	72,284.20	4.45
	Sub-Total for Bill 400:	560,328.03		572,654.50		544,893.60		610,079.20	

Bill 500	STRUCTURES								
509	Elastomatic Bearing	0	0	51,200.00	3.22	26,880.00	1.42	36,480.00	2.25
510	Bridge Railing	0	0	17,600.00	1.11	8,800.00	0.46	5,964.64	0.37
513	Expansion Joint Systems	0	0	5,722.85	0.36	6,640.00	0.35	6,171.05	0.38
	Sub-Total for Bill 500:	0		74,522.85		42,320.00		48,615.69	
Bill 600	OTHER WORKS								
604	Traffic Marking	44,258.41	2.49	32,655.00	2.05	34,832.00	1.84	32,655.00	2.01
605	Traffic Signs	26,905.00	1.51	41,335.00	2.60	47,892.00	2.53	52,452.00	3.23
606	Kilometer and Edge Marker (Guide) Posts	5,750.00	0.32	5,750.00	0.36	5,520.00	0.29	5,750.00	0.35
607	Concrete Curbs (Barrier and Mountable) and Gutter	5,650.00	0.32	3,450.00	0.22	5,950.00	0.31	10,200.00	0.63
	Sub-Total for Bill 600:	82,563.41		83,190.00		94,194.00		101,057.00	
	Summary Bill 200 - 600:	766,320.61		858,517.53		863,531.28		1,151,647.53	
2	SMALL SCALE REHABILITATION WORKS								
2.1	Reparing Works	71,524.58	4.02	52,780.00	3.32	45,916.00	2.43	45,058.08	2.78
2.2	Drainage and Erosion Protection Works	1,671.51	0.09	5,000.00	0.31	920.00	0.05	316.64	0.02
2.3	Traffic Safety	4,880.45	0.27	4,200.00	0.26	6,720.00	0.36	12,166.00	0.75
	Sub-Total for Small Scal Rehabilitation Works	78,076.54		61,980.00		53,556.00		57,540.72	
III	PERFORMACE BASED MAINTENANCE								
Bill BP 100	Performace Based Maintenance Work	549,356.00	30.90	323,765.76	20.35	517,680.00	27.35	141,994.32	8.75
	Sub-Total for Performance Based Maintenance Works	549,356.00		323,765.76		517,680.00		141,994.32	
IV	EMERGENCY WORKS (Provisional Quantities)	52,169.00	2.93	60,185.00	3.78	74,471.00	3.93	51,040.81	3.14
	Sub-Total for Emergency Works (Pro. Qty):	52,169.00		60,185.00		74,471.00		51,040.81	
V	DAYWORKS	0		37,067.50	2.33	44,829.73	2.37	34,946.05	2.15
	Sub-Total for Dayworks:	0		37,067.50		44,829.73		34,946.05	
VI	SUMMARY OF SPECIFIED PROVISIONAL SUMS	46,000.00	0.00	46,000.00	0.00	46,000.00	0.00	46,000.00	0.00
	Sub-Total for Provisional Sums:	<i>included general item</i>		46,000.00		46,000.00		46,000.00	
Total:		1,778,102.15	90.91	1,590,690.00	90.91	1,719,068.01	90.91	1,623,299.43	90.91
Contingency 10%		177,810.22	9.09	159,069.00	9.09	171,906.80	9.09	162,329.94	9.09
Contractor's Adjustment						1,665.83			
Total: (Sub-Total + Contingency 10%)		1,955,912.37	100.00	1,749,759.00	100.00	1,892,640.64	100.00	1,785,629.37	100.00
Engineer Estimate Comparation				Lower than Engineer Estimate - 10.54 %		Lower than Engineer Estimate - 3.23 %		Lower than Engineer Estimate - 8.71 %	