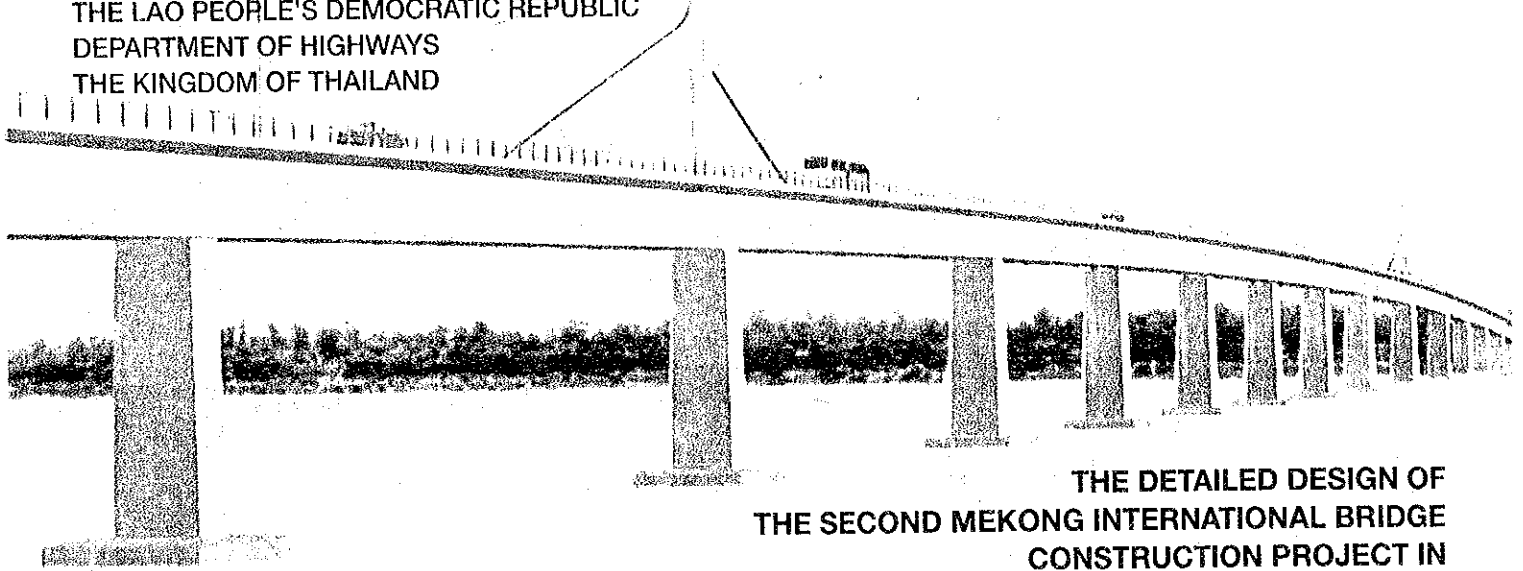


JAPAN INTERNATIONAL COOPERATION AGENCY
 MINISTRY OF COMMUNICATION, TRANSPORT, POST AND CONSTRUCTION
 THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
 DEPARTMENT OF HIGHWAYS
 THE KINGDOM OF THAILAND






THE DETAILED DESIGN OF
 THE SECOND MEKONG INTERNATIONAL BRIDGE
 CONSTRUCTION PROJECT IN
 THE LAO PEOPLE'S DEMOCRATIC REPUBLIC AND
 THE KINGDOM OF THAILAND

FINAL REPORT

JUNE 2000



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MINISTRY OF COMMUNICATION, TRANSPORT, POST AND CONSTRUCTION
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
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THE KINGDOM OF THAILAND

FINAL REPORT
DRAFT BIDDING DOCUMENTS (PACKAGE 2)
VOLUME 3
JUNE 2000



ORIENTAL CONSULTANTS COMPANY LIMITED



NIPPON KOEI CO., LTD.



1158428 [1]

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FORM OF BID

Name of Contract : The Second Mekong International Bridge Construction Project, Package 2 :
Border Control Facilities and Connecting Roads Works.....

To : The Project Director, The Second Mekong International Bridge Construction Project,
Ministry of Communications, Transport, Post and Construction, Thatluang Road, Vientiane, Lao
PDR.....

Gentlemen:

1. Having examined the Conditions of Contract, Specification, Drawings, and Bill of Quantities and Addenda Nos. for the execution of the above-named Works we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract, Specification, Drawings, Bill of Quantities and Addenda for the sum of

(.....)

as specified in the Appendix to Bid or such other sums as may be ascertained in accordance with the said Conditions.

2. We acknowledge that the Appendix forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Bid.
4. We agree to abide by this Bid for the period of 180 days from the date fixed for receiving the same, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this day of (state year).....

Signature in the capacity of duly

authorized to sign bids for and on behalf of

[in block capitals or typed]

Address

Witness

Address

Occupation

APPENDIX TO BID

Sub-Clause

Amount of Performance Security	10.1	_10_ percent of the Contract Price (for banker's guarantee)
Minimum amount of Third party insurance	23.2	Yen10,000,000 per occurrence, with the number of occurrences unlimited
Time for issue of the notice to commence	41.1	Within _30_ days after the Letter of Acceptance
Time for Completion	43.1	_24_ calendar months after the commencement date
Amount of liquidated damage	47.1	Yen150,000 per day
Limit of liquidated damages	47.1	_10_ percent of the Contract Price
Defects Liability Period	49.1	_12_ calendar months
Source for obtaining rates of exchange for currencies used by the bidder in calculation its bid price	72.2	- Exchange rate shall be the selling rate of The Banque pour le Commerce Extérieur Lao, Vientiane
Minimum amount of Interim Monthly Payment Certificates	60.2	_2_ percent of the Contract Price
Retention Money	60.5	_10_ percent of Interim Monthly Payment Certificates
Advance Payment	60.7	_10_ percent of the Contract Price
Start Repayment of Advance Payment	60.7	After certification of _30_ percent of the Contract Price less Provisional Sums
Monthly amortization of Advance Payment	60.7	_20_ percent of the amount of Interim Monthly Payment Certificates
Procedure for Settlement of Disputes ¹	67	The procedure for Settlement of Dispute is: Version 2 or Clause 67 of FIDIC General Condition]
	67.1	Number of members of Dispute Adjudication Board (one or three) _____

	67.1	Member of Dispute Adjudication Board (if not agreed) to be appointed by _____ [delete when the original FIDIC Clause 67 is retained]
Number of arbitrators	67.3 (67.4 if Version 2)	three (3)
Place of arbitration	67.3 (67.4if Version 2)	Vientiane, Lao PDR
Language of arbitration	67.4	English
Factors for price adjustment formulae	70.3	[See table below]

Section of the Works:

Factor and Description	Value	*Range of Value
(a) Fixed	0.100	Fixed
(b) Material		
(c) Steel		
(d) Cement		
(e) General National Consumer		
(e) Asphalt		
(g) Equipment		
(h) Fuel		
	Sum = 1.000	

*Range of value is to be finalized prior to the bidding.

Sources of Indices 70.4 [See table below]

Indices for Thai Baht

Index for: (factor)	Origin of Input (country)	Currency of Index	Published Source of Index	Base Value On ___/___/___
M Materials	Thailand	Baht	Thai Ministry of Commerce	
S Steel	Thailand	Baht	Thai Ministry of Commerce	
C Cement	Thailand	Baht	Thai Ministry of Commerce	
A Asphalt	Thailand	Baht	Thai Ministry of Commerce	
E Equipment	Thailand	Baht	Thai Ministry of Commerce	
F Fuel	Thailand	Baht	Thai Ministry of Commerce	

Indices for Lao Kip

Index for: (factor)	Origin of Input (country)	Currency of Index	Published Source of Index	Base Value On ___/___/___
L Labour	Lao PDR	Kip	Ministry of Labour and Social Welfare	
M Materials	Thailand	Baht	Thai Ministry of Commerce	
S Steel	Thailand	Baht	Thai Ministry of Commerce	
C Cement	Thailand	Baht	Thai Ministry of Commerce	
A Asphalt	Thailand	Baht	Thai Ministry of Commerce	
E Equipment	Thailand	Baht	Thai Ministry of Commerce	
F Fuel	Lao PDR	Kip	Lao State Oil Company	

Contract Amount in
Various Currencies

72.2

[See Table Below]

Summary of currencies of bid in which the contract price is payable.

Currency (Name)	Percentage Payable in Currency	Rate of Exchange: One Foreign Equals "X" Local
Lao Kip		
Japanese Yen		
US Dollar		
Thai Baht		
Total	100%	

Form of Bid Security (Bank Guarantee)

WHEREAS, [Name of Bidder] (hereinafter called "the Bidder") has submitted his bid dated [Date] for the construction of the Second Mekong International Bridge Package 2 : Border Control Facilities and Connecting Road Works in the Lao PDR side (hereinafter called "the Bid").

KNOW ALL MEN by these presents that We [Name of Bank] of [Name of Country] having our registered office at (hereinafter called "the Bank") are bound unto The Ministry of Communication, Transport, Post and Construction, Government of the Lao People's Democratic Republic (hereinafter called "the Employer") in the sum of for which payment well and truly to be made to the said Employer the Bank binds himself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of (state year)

THE CONDITIONS of this obligation are:

- (1) If the Bidder withdraws his Bid during the period of bid validity specified in the Form of Bid: or
- (2) If the Bidder does not accept the correction of arithmetical errors of his bid price in accordance with the Instructions to Bidders: or
- (3) If the Bidder having been notified of the acceptance of his Bid by the Employer during the period of bid validity:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
 - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders,

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date 28 days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE SIGNATURE OF THE BANK

WITNESS SEAL

.....
(Signature, Name, and Address)

**LIST OF ELIGIBLE COUNTRIES OF
JBIC ODA LOANS**

SECTION 6 – BILL OF QUANTITIES

**PREAMBLE
TO
BILL OF QUANTITIES**

1. Attention is directed to the Form of Contract, the Conditions of Contract, the Technical Specifications and the Drawings and these documents are to be read in conjunction with the Bill of Quantities.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices tendered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The prices and rates to be inserted in the Bill of Quantities are to be the full inclusive value of the work described under the several items, including all costs and expenses which may be required in and for the construction of the work described, together with all general risks, liabilities and obligations set forth or implied in the documents on which the Bid is to be based.
4. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided the cost shall be deemed to be distributed among the rates and prices entered for the related items of Work.
5. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
6. A price or rate is to be entered against each item in the Bill of Quantities, except for those marked Not Applicable or "N/A". If a unit rate is omitted from an item being not a lump sum item, but the Estimated Amount for the item has been entered in the sixth column of the Schedule, the appropriate unit rate may be derived by section of the said estimated amount by the estimated quantity set out in the fourth column of the Schedule. Nothing contained in this Preamble to the Bill of Quantities shall in any way limit or restrict or otherwise impair the operation of the Instructions to Bidders, to which attention is particularly directed.
7. All items are measured and paid for in accordance with the measurement and payment methods described in the Technical Specifications.

8. General directions and description of works and material given in the Technical Specifications is not repeated in the Bill of Quantities. Reference is to be made to the said documents for this information.
9. All prices and rates in the Bill of Quantities must be quoted entirely in Lao Kip and no other currency will be acceptable.
10. Abbreviations used are:
- | | | |
|------------|---|-----------------------------|
| ea or each | = | Each |
| cu.m. | = | Cubic Meter |
| l | = | Liter |
| l.s. | = | Lump Sum |
| sq.m. | = | Square Meter |
| ton | = | Metric Ton (1000 kilograms) |
| l.m. | = | Linear Meter |
| h | = | Hour |
11. Where "N/A" appears instead of figure in the column "Estimated Quantity", it means that the item does not apply to this Contract.
12. In the event of any discrepancy in item number, descriptions or units, or in quantities of work between this bidding documents and the "Summary of Quantities" forming part of the contract Drawings the details given in this bidding document shall take precedence.

THE SECOND MEKONG INTERNATIONAL BRIDGE CONSTRUCTION PROJECT

PACKAGE 2

(BORDER CONTROL FACILITIES AND ROAD WORKS)

STA.3+645 - STA.6+160

(2.51 km.)

GRAND SUMMARY OF PRICES

NO.	ITEM	AMOUNT (x 1,000) KIP
Part - 2	CIVIL WORK	
Part - 3	BUILDING WORK	
Part - 4	UTILITY WORK	
TOTAL AMOUNT IN (x 1,000) KIP		
GRAND TOTAL AMOUNT IN (x 1,000) KIP		

GRAND TOTAL AMOUNT WRITTEN IN WORDS :

.....

.....

Date : _____

Signature : _____

Title : _____

On behalf of : _____

Corporate Seal : _____

PART 2 CIVIL WORKS

BILL OF QUANTITIES

SUMMARY OF PRICES

PART-2 CIVIL WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

NO.	ITEM	UNIT	QUANTITY	UNIT RATE	AMOUNT (x 1,000) KIP
1	EARTH WORK	each	1		
2	SUBBASE AND BASE COURSES	each	1		
3	SURFACE COURSES	each	1		
4	INCIDENTALS	each	1		
TOTAL OF PART-2 IN (x 1,000) KIP					

BILL OF QUANTITIES

SECTION 2 - EARTH WORK

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
2.1(1)	Clearing and Grubbing	sq.m.	237,366		
2.2(1)	Excavation and Embankment, Earth	cu.m.	52,823		
2.2(2)	Excavation, Unsuitable Material	cu.m.	10,065		
2.2(3)	Excavation and Embankment, Soft Rock	cu.m.	3,088		
2.2(4)	Excavation and Embankment, Hard Rock	cu.m.	1,481		
2.2(5)	Excavation, Asphaltic Concrete Pavement	cu.m.	N/A		
2.4(1)	Channel Excavation and Embankment, Earth	cu.m.	N/A		
2.4(2)	Channel Excavation and Embankment, Soft Rock	cu.m.	N/A		
2.4(3)	Channel Excavation and Embankment, Hard Rock	cu.m.	N/A		
2.5(1)	Structure Excavation, Type 1 Unclassified	cu.m.	N/A		
2.5(2)	Structure Excavation, Type 2 Unclassified	cu.m.	N/A		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 2 - EARTH WORK

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
2.5(3)	Bailing Stone	cu.m.	N/A		
2.6(1)	Embankment by Borrow Material	cu.m.	316,197		
2.6(2)	Earth Fill in Median Island and Shoulder	cu.m.	3,011		
TRANSFER SECTION 2 TOTAL TO SUMMARY OF PRICES				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 3 - SUBBASE AND BASE COURSES

*PACKAGE 2
BORDER CONTROL FACILITIES AND ROAD WORKS*

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
3.1(1)	Subbase	cu.m.	15,857		
3.1(2)	Sand Layer Cushion	cu.m.	3,934		
3.2(1)	Aggregate Base Course	cu.m.	7,651		
3.3(1)	Soil Aggregate Shoulder	cu.m.	N/A		
TRANSFER SECTION 3 TOTAL TO SUMMARY OF PRICES				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 4 - SURFACE COURSES

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
4.2(1)	Asphaltic Prime Coat	sq.m.	39,080		
4.3(1)	Asphaltic Tack Coat	sq.m.	38,781		
4.4(1)	Asphaltic Concrete for Wearing Course	cu.m.	1,786		
4.4(2)	Asphaltic Concrete for Binder Course	cu.m.	1,814		
4.5(1)	Portland Cement Concrete Pavement, 25 cm	sq.m.	39,338		
TRANSFER SECTION 4 TOTAL TO SUMMARY OF PRICES				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.1(1)	Gabion Mattress (t=50cm)	sq.m.	N/A		
6.1(2)	Stairs on River Bank Protection	l.m.	N/A		
6.1(3)	RC. Chute Drain on Liver Bank Protection	each	N/A		
6.2(1)	Subdrain, Perforated PVC Pipe, 15cm diameter	l.m.	N/A		
6.3(1).1	Reinforced Concrete Pipe, 40cm diameter L	l.m.	N/A		
6.3(1).2	Reinforced Concrete Pipe, 40cm diameter T	l.m.	N/A		
6.3(1).3	Reinforced Concrete Pipe, 60cm diameter L	l.m.	1,350		
6.3(1).4	Reinforced Concrete Pipe, 60cm diameter T	l.m.	N/A		
6.3(1).5	Reinforced Concrete Pipe, 80cm diameter L	l.m.	27		
6.3(1).6	Reinforced Concrete Pipe, 80cm diameter T	l.m.	N/A		
6.3(1).7	Reinforced Concrete Pipe, 100cm diameter L	l.m.	213		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.3(1).8	Reinforced Concrete Pipe, 100cm diameter T	l.m.	N/A		
6.3(1).9	Reinforced Concrete Pipe, 120cm diameter L	l.m.	20		
6.3(1).10	Reinforced Concrete Pipe, 120cm diameter T	l.m.	N/A		
6.3(1).11	Reinforced Concrete Pipe, 150cm diameter L	l.m.	N/A		
6.3(1).12	Reinforced Concrete Pipe, 150cm diameter T	l.m.	N/A		
6.3(2)	RC. Pipe Headwall, Reinforced Concrete	cu.m.	48		
6.3(3).1	Box Culvert, 2.40x2.40m, at Sta.0+980.000 T	l.m.	N.A.		
6.3(3).2	Box Culvert, 3x3.60x3.60m, at Sta.1+017.000 T	l.m.	N.A.		
6.3(3).3	Box Culvert, 2.50x2.50m, at Sta.4+781.000 L	l.m.	25		
6.3(3).4	RC U-Wall for Rc.Box Culvert T	l.m.	N/A		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.3(4).1	Reinforced Concrete U-ditch, 0.30mx0.30m	l.m.	923		
6.3(4).2	Reinforced Concrete U-ditch, 0.30mx0.50m L	l.m.	N/A		
6.3(4).3	Reinforced Concrete U-ditch, 0.30mx0.50m T	l.m.	N/A		
6.3(4).4	Reinforced Concrete U-ditch, 0.30mx0.80m T	l.m.	N/A		
6.3(4).5	Reinforced Concrete U-ditch, 0.45mx0.45m L	l.m.	N/A		
6.3(4).6	Reinforced Concrete U-ditch, 0.50mx0.50m T	l.m.	N/A		
6.3(4).7	Reinforced Concrete U-ditch, 0.50mx0.50m T, With RC Cover	l.m.	N/A		
6.3(4).8	Reinforced Concrete U-ditch, 0.50mx0.60m T	l.m.	N/A		
6.3(4).9	Reinforced Concrete U-ditch, 0.50mx0.80m L/T, With RC Cover. Type B1	l.m.	1,280		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.3(4).10	Reinforced Concrete U-ditch, 0.50mx0.80m L/T, With RC Cover. Type B2	l.m.	37		
6.3(4).11	Reinforced Concrete U-ditch, 0.60mx0.60m T	l.m.	N/A		
6.3(4).12	Reinforced Concrete U-ditch, 1.00mx1.00m L	l.m.	117		
6.3(4).13	Reinforced Concrete U-ditch, 1.10mx1.00m L	l.m.	N/A		
6.3(4).14	Reinforced Concrete U-ditch, 1.20mx1.20m T	l.m.	N/A		
6.3(4).15	Reinforced Concrete U-ditch, 1.20mx1.20m T, With RC Cover	l.m.	N/A		
6.3(4).16	Reinforced Concrete U-ditch, 1.30mx1.00m L	l.m.	N/A		
6.3(5).1	Reinforced Concrete Chute Drain 0.4mx0.4m T	l.m.	N/A		
6.3(5).2	Reinforced Concrete Chute Drain 1.0mx1.0m L	l.m.	43		
6.3(5).3	Reinforced Concrete Chute Drain 1.0mx1.0m T	l.m.	N/A		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.3(6).1	Reinforced Concrete Side Ditch	l.m.	N/A		
6.3(6).3	Stone Masonry T=20cm for Open Side Ditch	sq.m.	19,015		
6.3(7).1	Manholes, 0.8m =< W < 1.0m With RC Cover	each	106		
6.3(7).2	Manholes, 0.8m =< W < 1.0m With Steel Grating	each	3		
6.3(7).3	Manholes, 1.0m =< W With RC Cover	each	4		
6.3(7).4	Manholes, 1.0m =< W With Steel Grating	each	4		
6.3(8).1	Catch Basin 0.6m x 0.6m T	each	N/A		
6.3(8).2	Catch Basin 0.7m x 0.7m T	each	N/A		
6.3(8).3	Catch Basin 1.0m x 1.0m T	each	N/A		
6.3(8).4	Catch Basin 1.5m x 1.6m L	each	N/A		
6.3(8).5	Catch Basin 1.5m x 1.7m L	each	1		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.3(8).6	Catch Basin 1.5m.x1.9m L	each	1		
6.3(8).7	Catch Basin 1.2m.x1.2m L	each	N/A		
6.3(9)	Drop Inlet 1.0mx1.6m L	each	N/A		
6.3(10).1	Curb Inlet and Side Inlet Drain L	l.m.	389		
6.3(10).2	Curb Inlet and Side Inlet Drain T	l.m.	N/A		
6.3(10).3	Inlet Drain RC rectangular Pipe	l.m.	N/A		
6.4(1).1	Concrete Curb Type 1	l.m.	215		
6.4(1).2	Concrete Curb Type 2	l.m.	4,207		
6.4(1).3	Concrete Curb Type 3	l.m.	1,262		
6.4(1).4	Concrete Curb Type 4	l.m.	N/A		
6.4(2)	Curb and Concrete Barrier Markings	sq.m.	316		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.5(1)	Concrete Paving Block for Sidewalk	sq.m.	9,544		
6.6(1)	Block Sodding	sq.m.	31,217		
6.6(2)	Strip Sodding	sq.m.	64,439		
6.7(1)	Steel Guard Rail, W-Beam	l.m.	700		
6.8(1)	Topsoil	cu.m.	3,700		
6.8(2)	Selected Gravel Fill	sq.m.	37		
6.9(1)	Security Fence L	l.m.	1,652		
6.9(2)	Security Fence T	l.m.	N/A		
6.9(3)	Bared Wire Fence	l.m.	N/A		
6.9(4)	Net Fence	l.m.	90		
6.9(5)	Custom Checkpoint Gate	each	N/A		
6.9(6)	Minor Gate	each	1		
6.9(7)	Main Gate	l.m.	N/A		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.9(8)	Permanent Timber Barricade	l.m.	N/A		
6.9(9)	Handrail	l.m.	N/A		
6.10(1)	Guide Post	each	N/A		
6.11(1)	Concrete Post And Foundation For Road Sign, Size 0.12x0.12m	l.m.	N/A		
6.11(2)	Concrete Post And Foundation For Road Sign, Size 0.15x0.15m	l.m.	N/A		
6.11(3)	Steel Post And Foundation For Road Sign, Type L1	each	18		
6.11(4)	Steel Post And Foundation For Road Sign, Type L2	each	28		
6.11(5)	Steel Post And Foundation For Road Sign, Type L3	each	N/A		
6.11(6)	Steel Post For Road Sign, On Bridge	each	N/A		
6.11(7)	Steel Post And Foundation For Overhanging Sign, Type L	each	14		
6.11(8)	Steel Post And Foundation For Overhanging Sign, Type T1	each	N/A		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.11(9)	Steel Post And Foundation For Overhanging Sign, Type T2	each	N/A		
6.11(10)	Steel Post And Foundation For Overhanging Sign, Type T3	each	N/A		
6.11(11)	Steel Frame And Foundation For Overhead Sign	each	N/A		
6.11(12)	Road Signs L	sq.m.	23		
6.11(13)	Road Signs T	sq.m.	N/A		
6.11(14)	Overhanging Signs L	sq.m.	89		
6.11(15)	Overhanging Signs T	sq.m.	N/A		
6.11(16)	Overhead Signs	sq.m.	N/A		
6.12(1)	10m Tapered Steel Pole with One High Pressure Sodium Lamp Type L	each	90		
6.12(2)	10m Tapered Steel Pole with One High Pressure Sodium Lamp Type T	each	N/A		
6.12(3)	High Mast with Lanterns for Lao Side Connecting Road	each	1		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.12(4)	Electric Facilities for Street Lighting, SP1	each	N/A		
6.12(5)	Electric Facilities for Street Lighting, SP2	each	N/A		
6.12(6)	Electric Facilities for Street Lighting, SP5	each	N/A		
6.12(7)	Electric Facilities for Street Lighting, SP6	each	1		
6.12(8)	Electric Facilities for Street Lighting, SP7	each	1		
6.12(9)	Electric Facilities for Street Lighting, SP8	each	1		
6.12(10)	Electric Facilities for Street Lighting, SP78	each	1		
6.13(1)	Traffic Signals at Sta. 1+120.000	l.s.	N/A		
6.14(1)	Road Marking Without Reflectorized Beads	sq.m.	N/A		
6.14(2)	Road Marking With Reflectorized Beads in the Mixture	sq.m.	3,410		
6.15(1)	Planting Palm Tree	each	164		
6.15(2)	Planting Champa	each	14		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET					(x 1,000) KIP

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.15(3)	Planting Paper Tree	each	332		
6.15(4)	Planting Shrub	each	149		
6.15(5)	Planting Chaiyaphruk (Koon) (Cassia Fistula L.)	each	N/A		
6.15(6)	Planting Parad Ooban	each	N/A		
6.15(7)	Planting Rajcha Phruk	each	N/A		
6.15(8)	Planting Kalapa Phruk	each	N/A		
6.15(9)	Planting Songbadarn	each	N/A		
6.16(1)	Kilometer Post L	each	3		
6.16(2)	Kilometer Post T	each	N/A		
6.16(3)	Right-of-Way Monuments L	each	70		
6.16(4)	Right-of-Way Monuments T	each	N/A		
6.17(1)	Road Stad	each	N/A		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 6 - INCIDENTALS

PACKAGE 2

BORDER CONTROL FACILITIES AND ROAD WORKS

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
6.18(1)	Porous Backfill for Abutment	cu.m.	N/A		
6.19(1)	Flag Pole	each	1		
TRANSFER SECTION 6 TOTAL TO SUMMARY OF PRICES				(x 1,000) KIP	

PART 3 BUILDING WORKS

BILL OF QUANTITIES

SUMMARY OF PRICES

PART-3 BUILDING WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

NO.	ITEM	UNIT	QUANTITY	UNIT RATE	AMOUNT (x 1,000) KIP
1	MAIN OFFICE				
	(1) ARRIVAL BUILDING	each	1		
	(2) DEPARTURE BUILDING	each	1		
	(3) CENTRAL BUILDING	each	1		
2	BUS STOP	each	2		
3	PUBLIC TOILETS	each	2		
4	BOOTHES (IMMIGRATION & CUSTOM)	each	12		
5	BOOTHES (IMMIGRATION & QUARANTINE)	each	10		
6	CHECKING OFFICE	each	1		
7	CHECK POINT BOOTH	each	1		
8	OFFICER'S PARKING LOT (T-A)	each	1		
9	OFFICER'S PARKING LOT (T-B)	each	1		
10	OFFICER'S ACCOMMODATION	each	1		
11	POWER HOUSE	each	1		
12	GARBAGE DISPOSAL SHED	each	2		
13	VEHICLE INSPECTION PIT	each	2		
TOTAL OF PART-3 IN (x 1,000) KIP					

BILL OF QUANTITIES

3.1(1) ARRIVAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
7	GENERAL REQUIREMENT				
7.3(1)	Geological Survey, Auger Boring	l.m	18		
7.3(2)	Standard Penetration Test and Laboratory Test	ls.	1		
SUB-TOTAL OF SECTION 7					
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	3,025		
8.2(1)	Excavation	cu.m.	3,392		
8.3(1)	Backfilling	cu.m.	2,912		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	sq.m.	708		
SUB-TOTAL OF SECTION 8					
9	PILE WORK				
9.3(2)	Prestressed Spun Concrete Pile 300mm f L = 18.0m	l.m.	N/A		
9.3(4)	Pile Head Cut	each	N/A		
SUB-TOTAL OF SECTION 9					
10	CONCRETE, FORMWORK AND REINFORCMENT				
10.2(1)	Concrete (Type D)	cu.m.	1,388		
10.2(2)	Concrete (Type F)	cu.m.	236		
10.2(3)	Exposed Form	sq.m.	N/A		
10.2(4)	Ordinary Form	sq.m.	6,226		
10.2(5)	Reinforcing Bar	ton	141.77		
SUB-TOTAL OF SECTION 10					
11	STRUCTURAL STEEL WORK				
11.2(1)	Structural Steel	ton	240.86		
SUB-TOTAL OF SECTION 12					

BILL OF QUANTITIES

3.1(1) ARRIVAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
12	MASONRY WORK				
12.2(1)	Half Brick, t=70mm	sq.m.	731		
SUB-TOTAL OF SECTION 12					
14	TERRAZZO WORK				
14.3(1)	Terrazzo in-situ	sq.m.	15		
14.3(2)	Terrazzo Tile Floor, 300x300	sq.m.	145		
14.3(3)	Terrazzo Skirting, H=100	l.m.	172		
14.3(4)	Terrazzo Door Sill, 50x100	l.m.	6		
14.3(5)	Terrazzo Shelf, W=100	l.m.	15		
14.3(6)	Terrazzo Counter, W=600	l.m.	8		
SUB-TOTAL OF SECTION 14					
15	TILE WORK				
15.2(1)	Mosaic Tile Wall, 25x25x5	sq.m.	261		
15.2(2)	Ceramic Tile to Interior Wall, 200x200x6	sq.m.	150		
15.2(3)	Ceramic Tile to Floor, 200x200x6	sq.m.	76		
15.2(4)	Porcelain Floor Tile, 300x300x8	sq.m.	345		
15.2(5)	Porcelain Tile to Exterior Wall, 227x60x12	sq.m.	66		
SUB-TOTAL OF SECTION 15					
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	1,293		
16.2(2)	Cement Mortar Plaster, Floor	sq.m.	N/A		
16.2(3)	Cement Mortar Skirting, H=100	l.m.	N/A		
16.3(1)	Waterproof Cement Mortar	sq.m.	148		
16.6(1)	Washed Gravel	sq.m.	10		
SUB-TOTAL OF SECTION 16					

BILL OF QUANTITIES

3.1(1) ARRIVAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
17	DOOR AND WINDOW WORK				
17.2(1)	Wooden Glazed Flush Door	sq.m.	N/A		
17.2(2)	Wooden Flush Door	sq.m.	66		
17.2(3)	Wooden Panel Door	sq.m.	13		
17.2(4)	Wooden Glazed Window	sq.m.	N/A		
17.3(1)	Steel Flush Door	sq.m.	14		
17.4(1)	Aluminum Sliding Window	sq.m.	167		
17.4(2)	Aluminum Top Hinge Window	sq.m.	11		
17.4(3)	Aluminum Fixed Window	sq.m.	2		
17.4(4)	Aluminum Louver	sq.m.	26		
17.4(5)	Aluminum Door	sq.m.	13		
17.5(2)	Clear Glass, 5mm	sq.m.	196		
17.5(4)	Figured Glass, 4mm	sq.m.	N/A		
SUB-TOTAL OF SECTION 17					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	46		
18.3(2)	Oil Paint to Wood	sq.m.	236		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	322		
18.3(4)	Acrylic Emulsion Paint, Interior	sq.m.	825		
18.3(5)	Clear Lacquer Paint to Wood	sq.m.	N/A		
18.3(6)	Varnish Paint to Wood	sq.m.	82		
SUB-TOTAL OF SECTION 18					
19	CARPENTRY AND JOINERY WORK				
19.2(1)	Wood Handrail	l.m.	N/A		
19.2(2)	Wood Door Frame	l.m.	204		
19.2(3)	Wood Skirting, H=100	l.m.	306		
SUB-TOTAL OF SECTION 19					

BILL OF QUANTITIES

3.1(I) ARRIVAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
20	INTERIOR FINISHING WORK				
20.2(1)	Acoustical Tile Ceiling, t=15	sq.m.	492		
20.2(2)	Aluminium Spandrel Ceiling, t=0.8	sq.m.	1,562		
20.2(4)	Gypsum Board Ceiling, t=9	sq.m.	40		
20.2(7)	Welded Mesh Ceiling, 6 dia.150 x 150	sq.m.	698		
SUB-TOTAL OF SECTION 20					
21	MISCELLANEOUS METAL WORK				
21.3(2)	Roof Drain, C.I.125 f	each	24		
21.3(3)	Roof Drain, C.I.200 f	each	2		
21.3(4)	Floor Drain, C.I.100 f	each	4		
21.3(5)	Non-Slip Nosing, W=40	l.m.	33		
21.3(6)	Stainless Handrail	l.m.	8		
21.3(8)	Steel Handrail, H=1100	l.m.	4		
21.3(11)	Door Mat, Stainless, 600 x 1500	each	2		
21.3(13)	Roof Gutter, 300x400	l.m.	440		
21.3(17)	Security Cage	ls.	N/A		
SUB-TOTAL OF SECTION 21					

BILL OF QUANTITIES

3.1(1) ARRIVAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
22	MISCELLANEOUS WORK				
22.3(1)	Kitchen Sink Unit, 1 = 1800	each	5		
22.3(2)	Kitchen Table Unit, 1 = 900	each	N/A		
22.3(3)	Cupboard, 1 = 1800	each	5		
22.3(4)	Downspout,PVC,100 f	l.m.	15		
22.3(5)	Downspout,PVC,125 f	l.m.	217		
22.3(6)	Downspout,PVC,200 f	l.m.	25		
22.3(7)	Expansion Joint Filler, t=20	sq.m	N/A		
22.3(8)	Room Name Plate ,80x350	each	24		
22.3(9)	Venetian Blinds	sq.m	169		
22.3(10)	Shower Curtain and Rail	sq.m	15		
22.3(12)	Concrete Roof Tiling w/Complete Parts	sq.m	5,639		
22.3(14)	Fiber Cement Roof Tiling	sq.m	3,267		
22.3(15)	Gable Decoration	ls.	6		
22.3(17)	Inspection Booth,2400x4000	each	N/A		
22.3(18)	Inspection Booth,2400x2050	each	N/A		
22.3(21)	Inspection Counter	ls.	1		
22.3(22)	Mirrors	l.m.	6		
SUB-TOTAL OF SECTION 22					
23	OUTDOOR WORK				
23.2(1)	Plant Box	l.m.	35		
23.3(1)	Planting	ls.	1		
23.3(2)	Turfing	ls.	N/A		
23.4(1)	Drain Ditch, W=300	l.m.	41		
23.4(2)	Catch Basin,600x600	each	2		
SUB-TOTAL OF SECTION 23					
TRANSFER 3.1(1) TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.1(2) DEPARTURE BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
7	GENERAL REQUIREMENT				
7.3(1)	Geological Survey, Auger Boring	l.m.	N/A		
7.3(2)	Standard Penetration Test and Laboratory Test	ls.	N/A		
SUB-TOTAL OF SECTION 7					
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	N/A		
8.3(1)	Backfilling	cu.m.	N/A		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	sq.m.	N/A		
SUB-TOTAL OF SECTION 8					
10	CONCRETE, FORMWORK AND REINFORCEMENT				
10.2(1)	Concrete (Type D)	cu.m.	14		
10.2(2)	Concrete (Type F)	cu.m.	N/A		
10.2(3)	Exposed Form	sq.m.	N/A		
10.2(4)	Ordinary Form	sq.m.	220		
10.2(5)	Reinforcing Bar	ton	N/A		
SUB-TOTAL OF SECTION 10					
11	STRUCTURAL STEEL WORK				
11.2(1)	Structural Steel	ton	N/A		
SUB-TOTAL OF SECTION 11					
12	MASONRY WORK				
12.2(1)	Half Brick, t=70mm	sq.m.	680		
SUB-TOTAL OF SECTION 12					

BILL OF QUANTITIES

3.1(2) DEPARTURE BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
14	TERRAZZO WORK				
14.3(1)	Terrazzo in-situ	sq.m.	12		
14.3(2)	Terrazzo Tile Floor, 300x300	sq.m.	131		
14.3(3)	Terrazzo Skirting, H=100	l.m.	186		
14.3(4)	Terrazzo Door Sill, 50x100	l.m.	4		
14.3(5)	Terrazzo Shelf, W=100	l.m.	15		
14.3(6)	Terrazzo Counter, W=600	l.m.	7		
SUB-TOTAL OF SECTION 14					
15	TILE WORK				
15.2(1)	Mosaic Tile Wall, 25x25x5	sq.m.	261		
15.2(2)	Ceramic Tile to Interior Wall, 200x200x6	sq.m.	120		
15.2(3)	Ceramic Tile to Floor, 200x200x6	sq.m.	72		
15.2(4)	Porcelain Floor Tile, 300x300x8	sq.m.	250		
15.2(5)	Porcelain Tile to Exterior Wall, 227x60x12	sq.m.	66		
SUB-TOTAL OF SECTION 15					
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	1,377		
16.2(2)	Cement Mortar Plaster, Floor	sq.m.	N/A		
16.2(3)	Cement Mortar Skirting, H=100	l.m.	N/A		
16.3(1)	Waterproof Cement Mortar	sq.m.	148		
16.6(1)	Washed Gravel	sq.m.	12		
SUB-TOTAL OF SECTION 16					

BILL OF QUANTITIES

3.1(2) DEPARTURE BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
17	DOOR AND WINDOW WORK				
17.2(1)	Wooden Glazed Flush Door	sq.m.	N/A		
17.2(2)	Wooden Flush Door	sq.m.	61		
17.2(3)	Wooden Panel Door	sq.m.	10		
17.2(4)	Wooden Glazed Window	sq.m.	N/A		
17.3(1)	Steel Flush Door	sq.m.	N/A		
17.4(1)	Aluminum Sliding Window	sq.m.	178		
17.4(2)	Aluminum Top Hinge Window	sq.m.	12		
17.4(3)	Aluminum Fixed Window	sq.m.	6		
17.4(4)	Aluminum Louver	sq.m.	26		
17.4(5)	Aluminum Door	sq.m.	13		
17.5(2)	Clear Glass, 5mm	sq.m.	208		
17.5(4)	Figured Glass, 4mm	sq.m.	N/A		
SUB-TOTAL OF SECTION 17					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	5		
18.3(2)	Oil Paint to Wood	sq.m.	218		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	321		
18.3(4)	Acrylic Emulsion Paint, Interior	sq.m.	906		
18.3(5)	Clear Lacquer Paint to Wood	sq.m.	N/A		
18.3(6)	Varnish Paint to Wood	sq.m.	74		
SUB-TOTAL OF SECTION 18					
19	CARPENTRY AND JOINERY WORK				
19.2(1)	Wood Handrail	l.m.	N/A		
19.2(2)	Wood Door Frame	l.m.	64		
19.2(3)	Wood Skirting, H=100	l.m.	308		
SUB-TOTAL OF SECTION 19					

BILL OF QUANTITIES

3.1(2) DEPARTURE BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
20	INTERIOR FINISHING WORK				
20.2(1)	Acoustical Tile Ceiling, t=15	sq.m.	519		
20.2(2)	Aluminium Spandrel Ceiling, t=0.8	sq.m.	1,562		
20.2(4)	Gypsum Board Ceiling, t=9	sq.m.	40		
20.2(7)	Welded Mesh Ceiling, 6 dia.150 x 150	sq.m.	698		
SUB-TOTAL OF SECTION 20					
21	MISCELLANEOUS METAL WORK				
21.3(2)	Roof Drain, C.I.125 dia.	each	24		
21.3(3)	Roof Drain, C.I.200 dia.	each	2		
21.3(4)	Floor Drain, C.I.100 dia.	each	4		
21.3(5)	Non-Slip Nosing, W=40	l.m.	30		
21.3(6)	Stainless Handrail	l.m.	8		
21.3(8)	Steel Handrail, H=1100	l.m.	4		
21.3(11)	Door Mat, Stainless, 600 x 1500	each	2		
21.3(13)	Roof Gutter, 300x400	l.m.	N/A		
21.3(17)	Security Cage	ls.	N/A		
SUB-TOTAL OF SECTION 21					

BILL OF QUANTITIES

3.1(2) DEPARTURE BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
22	MISCELLANEOUS WORK				
22.3(1)	Kitchen Sink Unit, l = 1800	each	4		
22.3(2)	Kitchen Table Unit, l = 900	each	N/A		
22.3(3)	Cupboard, l = 1800	each	4		
22.3(4)	Downspout,PVC,100 φ	l.m.	15		
22.3(5)	Downspout,PVC,125 φ	l.m.	217		
22.3(6)	Downspout,PVC,200 φ	l.m.	25		
22.3(7)	Expansion Joint Filler, t=20	sq.m	N/A		
22.3(8)	Room Name Plate ,80x350	each	24		
22.3(9)	Venetian Blinds	sq.m	184		
22.3(10)	Shower Curtain and Rail	sq.m	6		
22.3(12)	Concrete Roof Tiling w/Complete Parts	sq.m	N/A		
22.3(14)	Fiber Cement Roof Tiling	sq.m	N/A		
22.3(15)	Gable Decoration	ls.	6		
22.3(17)	Inspection Booth,2400x4000	each	N/A		
22.3(18)	Inspection Booth,2400x2050	each	N/A		
22.3(21)	Inspection Counter	ls.	N/A		
22.3(22)	Mirrors	l.m.	6		
SUB-TOTAL OF SECTION 22					
23	OUTDOOR WORK				
23.2(1)	Plant Box	l.m.	35		
23.3(1)	Planting	ls.	1		
23.3(2)	Turfing	ls.	N/A		
23.4(1)	Drain Ditch, W=300	l.m.	41		
23.4(2)	Catch Basin,600x600	each	2		
SUB-TOTAL OF SECTION 23					
TRANSFER 3.1(2) TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES**3.1(3) CENTRAL BUILDING**

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
7	GENERAL REQUIREMENT				
7.3(1)	Geological Survey, Auger Boring	l.m.	N/A		
7.3(2)	Standard Penetration Test and Laboratory Test	ls.	N/A		
SUB-TOTAL OF SECTION 7					
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	N/A		
8.3(1)	Backfilling	cu.m.	N/A		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	sq.m.	45		
SUB-TOTAL OF SECTION 8					
9	PILE WORK				
9.3(2)	Prestressed Spun Concrete Pile 300mm dia. L = 18.0m	l.m.	N/A		
9.3(4)	Pile Head Cut	each	N/A		
SUB-TOTAL OF SECTION 9					
10	CONCRETE, FORMWORK AND REINFORCEMENT				
10.2(1)	Concrete (Type D)	cu.m.	205		
10.2(2)	Concrete (Type F)	cu.m.	9		
10.2(3)	Exposed Form	sq.m.	N/A		
10.2(4)	Ordinary Form	sq.m.	162		
10.2(5)	Reinforcing Bar	ton	0.52		
SUB-TOTAL OF SECTION 10					
11	STRUCTURAL STEEL WORK				
11.2(1)	Structural Steel	ton	N/A		
SUB-TOTAL OF SECTION 11					

BILL OF QUANTITIES

3.1(3) CENTRAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
12	MASONRY WORK				
12.2(1)	Half Brick, t=70mm	sq.m.	532		
SUB-TOTAL OF SECTION 12					
14	TERRAZZO WORK				
14.3(1)	Terrazzo in-situ	sq.m.	7		
14.3(2)	Terrazzo Tile Floor, 300x300	sq.m.	1,012		
14.3(3)	Terrazzo Skirting, H=100	l.m.	49		
14.3(4)	Terrazzo Door Sill, 50x100	l.m.	5		
14.3(5)	Terrazzo Shelf, W=100	l.m.	7		
14.3(6)	Terrazzo Counter, W=600	l.m.	4		
SUB-TOTAL OF SECTION 14					
15	TILE WORK				
15.2(1)	Mosaic Tile Wall, 25x25x5	sq.m.	147		
15.2(2)	Ceramic Tile to Interior Wall, 200x200x6	sq.m.	54		
15.2(3)	Ceramic Tile to Floor, 200x200x6	sq.m.	22		
15.2(4)	Porcelain Floor Tile, 300x300x8	sq.m.	316		
15.2(5)	Porcelain Tile to Exterior Wall, 227x60x12	sq.m.	46		
SUB-TOTAL OF SECTION 15					
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	1,035		
16.2(2)	Cement Mortar Plaster, Floor	sq.m.	17		
16.2(3)	Cement Mortar Skirting, H=100	l.m.	N/A		
16.3(1)	Waterproof Cement Mortar	sq.m.	434		
16.5(1)	Colored Cement Mortar	sq.m.	299		
16.6(1)	Washed Gravel	sq.m.	15		
SUB-TOTAL OF SECTION 16					

BILL OF QUANTITIES

3.1(3) CENTRAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
17	DOOR AND WINDOW WORK				
17.2(1)	Wooden Glazed Flush Door	sq.m.	N/A		
17.2(2)	Wooden Flush Door	sq.m.	49		
17.2(3)	Wooden Panel Door	sq.m.	3		
17.2(4)	Wooden Glazed Window	sq.m.	N/A		
17.3(1)	Steel Flush Door	sq.m.	10		
17.4(1)	Aluminum Sliding Window	sq.m.	65		
17.4(2)	Aluminum Top Hinge Window	sq.m.	3		
17.4(3)	Aluminum Fixed Window	sq.m.	25		
17.4(4)	Aluminum Louver	sq.m.	20		
17.4(5)	Aluminum Door	sq.m.	N/A		
17.5(2)	Clear Glass, 5mm	sq.m.	95		
17.5(4)	Figured Glass, 4mm	sq.m.	N/A		
SUB-TOTAL OF SECTION 17					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	773		
18.3(2)	Oil Paint to Wood	sq.m.	259		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	247		
18.3(4)	Acrylic Emulsion Paint, Interior	sq.m.	713		
18.3(5)	Clear Lacquer Paint to Wood	sq.m.	N/A		
18.3(6)	Varnish Paint to Wood	sq.m.	48		
SUB-TOTAL OF SECTION 18					
19	CARPENTRY AND JOINERY WORK				
19.2(1)	Wood Handrail	l.m.	N/A		
19.2(2)	Wood Door Frame	l.m.	105		
19.2(3)	Wood Skirting, H=100	l.m.	259		
SUB-TOTAL OF SECTION 19					

BILL OF QUANTITIES

3.1(3) CENTRAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
20	INTERIOR FINISHING WORK				
20.2(1)	Acoustical Tile Ceiling, t=15	sq.m.	324		
20.2(2)	Aluminium Spandrel Ceiling, t=0.8	sq.m.	1,003		
20.2(4)	Gypsum Board Ceiling, t=9	sq.m.	1,854		
20.2(7)	Welded Mesh Ceiling, 6 dia.150 x 150	sq.m.	31		
SUB-TOTAL OF SECTION 20					
21	MISCELLANEOUS METAL WORK				
21.3(2)	Roof Drain, C.I.125 φ	each	12		
21.3(3)	Roof Drain, C.I.200 φ	each	N/A		
21.3(4)	Floor Drain, C.I.100 φ	each	2		
21.3(5)	Non-Slip Nosing, W=40	l.m.	N/A		
21.3(6)	Stainless Handrail	l.m.	12		
21.3(7)	Stainless Screen, H=2500	l.m.	23		
21.3(8)	Steel Handrail, H=1100	l.m.	35		
21.3(9)	Steel Ladder, 22 dia. W=400	each	3		
21.3(10)	Steel Caged Ladder, W=400	l.m.	3		
21.3(13)	Roof Gutter, 300x400	l.m.	N/A		
21.3(17)	Security Cage	ls.	N/A		
21.3(18)	Manhole Cover, C.I.600x600	each	2		
SUB-TOTAL OF SECTION 21					

BILL OF QUANTITIES

3.1(3) CENTRAL BUILDING

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
22	MISCELLANEOUS WORK				
22.3(1)	Kitchen Sink Unit, l = 1800	each	2		
22.3(2)	Kitchen Table Unit, l = 900	each	N/A		
22.3(3)	Cupboard, l = 1800	each	2		
22.3(4)	Downspout,PVC,100 dia.	l.m.	7		
22.3(5)	Downspout,PVC,125 dia.	l.m.	40		
22.3(6)	Downspout,PVC,200 dia.	l.m.	N/A		
22.3(7)	Expansion Joint Filler, t=20	sq.m	27		
22.3(8)	Room Name Plate ,80x350	each	20		
22.3(9)	Venetian Blinds	sq.m	68		
22.3(10)	Shower Curtain and Rail	sq.m	N/A		
22.3(12)	Concrete Roof Tiling w/Complete Parts	sq.m	N/A		
22.3(14)	Fiber Cement Roof Tiling	sq.m	N/A		
22.3(15)	Gable Decoration	ls.	4		
22.3(16)	Connection Corridor	ls.	1		
22.3(18)	Inspection Booth,2400x2050	each	N/A		
22.3(21)	Inspection Counter	ls.	12		
22.3(22)	Mirrors	l.m.	25		
SUB-TOTAL OF SECTION 22					
23	OUTDOOR WORK				
23.2(1)	Plant Box	l.m.	32		
23.3(1)	Planting	ls.	1		
23.3(2)	Turfing	ls.	N/A		
23.4(1)	Drain Ditch, W=300	l.m.	N/A		
23.4(2)	Catch Basin,600x600	each	N/A		
SUB-TOTAL OF SECTION 23					
TRANSFER 3.1(3) TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.2 BUS STOP

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.2(1)	Excavation	cu.m.	261		
8.3(1)	Backfilling	cu.m.	224		
8.3(2)	Embankment	cu.m.	15		
8.6(1)	Rubble Foundation	cu.m.	161		
SUB-TOTAL OF SECTION 8					
10	CONCRETE, FORMWORK AND REINFORCEMENT				
10.2(1)	Concrete (Type D)	cu.m.	42		
10.2(2)	Concrete (Type F)	cu.m.	4		
10.2(3)	Exposed Form	sq.m.	501		
10.2(4)	Ordinary Form	sq.m.	75		
10.2(5)	Reinforcing Bar	ton	2.14		
SUB-TOTAL OF SECTION 10					
11	STRUCTURAL STEEL WORK				
11.2(1)	Structural Steel	ton	2.67		
SUB-TOTAL OF SECTION 12					
15	TILE WORK				
15.2(1)	Mosaic Tile Wall, 25 x25x5	sq.m	68		
SUB-TOTAL OF SECTION 15					
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	75		
16.6(1)	Washed Gravel	sq.m.	7		
SUB-TOTAL OF SECTION 16					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	616		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	501		
SUB-TOTAL OF SECTION 18					

BILL OF QUANTITIES

3.2 BUS STOP

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
21	MISCELLANEOUS METAL WORK				
21.3(1)	Roof Drain ,C.I. 100 φ	each	20		
21.3(14)	Roof Gutter,150 x 120	l.m.	158		
SUB-TOTAL OF SECTION 21					
22	MISCELLANEOUS WORK				
22.3(4)	Downspout,PVC,100 φ	l.m.	65		
22.3(12)	Concrete Roof Tiling w/Complete Parts	sq.m	494		
22.3(15)	Gable Decoration	ls.	8		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.2 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.3 PUBLIC TOILETS

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	58		
8.3(1)	Backfilling	cu.m.	53		
8.3(2)	Embankment	cu.m.	4		
8.6(1)	Rubble Foundation	cu.m.	2		
SUB-TOTAL OF SECTION 8					
10	CONCRETE, FORMWORK AND REINFORCEMENT				
10.2(1)	Concrete (Type D)	cu.m.	10		
10.2(2)	Concrete (Type F)	cu.m.	1		
10.2(4)	Ordinary Form	sq.m.	106		
10.2(5)	Reinforcing Bar	ton	0.88		
SUB-TOTAL OF SECTION 10					
11	STRUCTURAL STEEL WORK				
11.2(1)	Structural Steel	ton	2.48		
SUB-TOTAL OF SECTION 11					
12	MASONRY WORK				
12.2(1)	Half Brick, t=70mm	sq.m.	87		
SUB-TOTAL OF SECTION 12					
14	TERRAZZO WORK				
14.3(5)	Terrazzo Shelf, W=100	l.m.	3		
14.3(6)	Terrazzo Counter, W=600	l.m.	5		
SUB-TOTAL OF SECTION 14					

BILL OF QUANTITIES

3.3 PUBLIC TOILETS

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
15	TILE WORK				
15.2(2)	Ceramic Tile to Interior Wall, 200x200x6	sq.m.	127		
15.2(3)	Ceramic Tile to Floor, 200x200x6	sq.m.	26		
15.2(5)	Porcelain Tile to Exterior Wall, 227x60x12	sq.m.	9		
SUB-TOTAL OF SECTION 15					
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	129		
16.6(1)	Washed Gravel	sq.m.	7		
SUB-TOTAL OF SECTION 16					
17	DOOR AND WINDOW WORK				
17.2(2)	Wooden Flush Door	sq.m.	10		
17.4(3)	Aluminium Fixed Window	sq.m.	5		
17.5(4)	Figured Glass, 4 mm.	sq.m.	3		
SUB-TOTAL OF SECTION 17					
18	PAINTING WORK				
18.3(2)	Oil Paint to Wood	sq.m.	21		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	115		
18.3(4)	Acrylic Emulsion Paint, Interior	sq.m.	14		
SUB-TOTAL OF SECTION 18					
19	CARPENTRY AND JOINERY WORK				
19.2(2)	Wood Door Frame	l.m.	34		
SUB-TOTAL OF SECTION 19					
20	INTERIOR FINISHING WORK				
20.2(2)	Aluminium Spandrel Ceiling t = 0.8	sq.m.	32		
20.2(4)	Gypsum Board Ceiling t=9	sq.m.	29		
SUB-TOTAL OF SECTION 20					

BILL OF QUANTITIES

3.3 PUBLIC TOILETS

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
21	MISCELLANEOUS METAL WORK				
21.3(1)	Roof Drain C.I. 100 f	each	4		
21.3(14)	Roof Gutter, 150x120	l.m.	23		
21.3(16)	Fitting for Handicapped	ls.	1		
SUB-TOTAL OF SECTION 21					
22	MISCELLANEOUS WORK				
22.3(4)	Down Spout, PVC, 100Dia.	l.m.	15		
22.3(8)	Room Name Plate, 80x350	each	4		
22.3(12)	Concrete Roof Tiling w/Complete Parts	sq.m	101		
22.3(13)	Window Flashing Frames	l.m.	32		
22.3(15)	Gable Decoration	ls.	1		
22.3(22)	Mirrors	l.m.	3		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.3 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.4 BOOTHS (IMM.&CUSTOM)

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.6(1)	Rubble Foundation	cu.m	2		
SUB-TOTAL OF SECTION 8					
10	CONCRETE AND FORMWORK				
10.2(1)	Concrete (Type D)	cu.m.	10		
10.2(3)	Exposed Form	sq.m.	4		
10.2(5)	Reinforcing Bar	ton	0.10		
SUB-TOTAL OF SECTION 10					
16	PLASTERING WORK				
16.2(2)	Cement Mortar Plaster, Floor	sq.m	11		
SUB-TOTAL OF SECTION 10					
21	MISCELLANEOUS METAL WORK				
21.3(17)	Security Cage	ls.	1		
SUB-TOTAL OF SECTION 21					
22	MISCELLANEOUS WORK				
22.3(17)	Inspection Booths, 2400x4000	each	1		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.4 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.5 BOOTHS (IMM. QUAR & OTHERS)

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.6(1)	Rubble Foundation	cu.m	1		
SUB-TOTAL OF SECTION 8					
10	CONCRETE AND FORMWORK				
10.2(1)	Concrete (Type D)	cu.m	6		
10.2(3)	Exposed Form	sq.m	3		
10.2(5)	Reinforcing Bar	ton	0.09		
SUB-TOTAL OF SECTION 10					
16	PLASTERING WORK				
16.2(2)	Cement Mortar Plaster, Floor	sq.m	6		
SUB-TOTAL OF SECTION 10					
21	MISCELLANEOUS METAL WORK				
21.3(17)	Security Cage	ls.	1		
SUB-TOTAL OF SECTION 21					
22	MISCELLANEOUS WORK				
22.3(16)	Inspection Booths, 2400x2050	each	1		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.5 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.6 CHECKING OFFICE (ENT. & EXIT)

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	3		
8.3(1)	Backfilling	cu.m.	1		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	cu.m.	0		
SUB-TOTAL OF SECTION 8					
10	CONCRETE, FORMWORK AND REINFORCEMENT				
10.2(1)	Concrete (Type D)	cu.m.	12		
10.2(2)	Concrete (Type F)	cu.m.	0		
10.2(3)	Exposed Form	sq.m.	N/A		
10.2(4)	Ordinary Form	sq.m.	137		
10.2(5)	Reinforcing Bar	ton	1.41		
SUB-TOTAL OF SECTION 10					
12	MASONRY WORK				
12.2(2)	Concrete Hollow Block, t=100mm.	sq.m.	24		
SUB-TOTAL OF SECTION 12					
13	WATERPROOFING AND DAMPROOFING WORKS				
13.2(1)	Membrane Waterproof, t=2mm, including joint seal, flashing, caulking	sq.m.	17		
SUB-TOTAL OF SECTION 13					
15	TILE WORK				
15.2(2)	Ceramic Tile to Interior Wall, 200x200x6	sq.m.	13		
15.2(4)	Ceramic Tile to Floor, 200x200x6	sq.m.	13		
SUB-TOTAL OF SECTION 16					

BILL OF QUANTITIES

3.6 CHECKING OFFICE (ENT. & EXIT)

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x1,000) KIP
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	42		
16.2(2)	Cement Mortar Plaster, Floor	sq.m.	3		
16.2(3)	Cement Mortar Skirting, H=100	l.m.	N/A		
SUB-TOTAL OF SECTION 16					
17	DOOR AND WINDOW WORK				
17.2(1)	Wooden Glazed Flush Door	sq.m.	2		
17.4(1)	Aluminum Sliding Window	sq.m.	2		
17.4(4)	Aluminum Louver	sq.m.	3		
17.4(5)	Aluminum Door	sq.m.	2		
17.5(2)	Clear Glass, 5mm	sq.m.	2		
SUB-TOTAL OF SECTION 17					
18	PAINTING WORK				
18.3(2)	Oil Paint to Wood	sq.m.	5		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	47		
18.3(4)	Acrylic Emulsion Paint, Interior	sq.m.	11		
SUB-TOTAL OF SECTION 18					
19	CARPENTRY AND JOINERY WORK				
19.2(2)	Wood Door Frame	l.m.	N/A		
SUB-TOTAL OF SECTION 19					
20	INTERIOR FINISHING WORK				
20.2(3)	Gypsum Board Ceiling, t=9	sq.m.	6		
SUB-TOTAL OF SECTION 20					
21	MISCELLANEOUS METAL WORK				
21.3(17)	Security Cage	ls.	1		
SUB-TOTAL OF SECTION 21					

BILL OF QUANTITIES

3.6 CHECKING OFFICE (ENT. & EXIT)

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
22	MISCELLANEOUS WORK				
22.3(4)	Downspout, PVC, 100 ϕ	l.m.	7		
22.3(11)	Roof Insulation, t=50	sq.m.	36		
22.3(13)	Window Flashing Frame	l.m.	14		
22.3(22)	Mirrors	l.m.	1		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.6 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES**3.7 CHECK POINT BOOTH**

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	25		
8.3(1)	Backfilling	cu.m.	23		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	cu.m.	0		
SUB-TOTAL OF SECTION 8					
10	CONCRETE, FORMWORK AND REINFORCMENT				
10.2(1)	Concrete (Type D)	cu.m.	4		
10.2(2)	Concrete (Type F)	cu.m.	0		
10.2(3)	Exposed Form	sq.m.	N/A		
10.2(4)	Ordinary Form	sq.m.	42		
10.2(5)	Reinforcing Bar	ton	0.32		
SUB-TOTAL OF SECTION 10					
12	MASONRY WORK				
12.2(2)	Concrete Hollow Block, t=150mm	sq.m.	9		
SUB-TOTAL OF SECTION 12					
13	WATERPROOFING AND DAMPROOFING WORKS				
13.2(1)	Membrane Waterproof, t=2mm, including joint seal, flashing, caulking	sq.m.	7		
SUB-TOTAL OF SECTION 13					
15	TILE WORK				
15.2(2)	Ceramic Tile to Interior Wall, 200x200x6	sq.m.	N/A		
15.2(3)	Granito Tile to Interior Wall, 45x210x13	sq.m.	N/A		
SUB-TOTAL OF SECTION 16					

BILL OF QUANTITIES

3.7 CHECK POINT BOOTH

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	18		
16.2(2)	Cement Mortar Plaster, Floor	sq.m.	9		
16.2(3)	Cement Mortar Skirting, H=100	l.m.	N/A		
SUB-TOTAL OF SECTION 16					
17	DOOR AND WINDOW WORK				
17.2(1)	Wooden Glazed Flush Door	sq.m.	N/A		
17.4(1)	Aluminum Sliding Window	sq.m.	4		
17.4(4)	Aluminum Louver	sq.m.	N/A		
17.4(5)	Aluminum Door	sq.m.	3		
17.5(2)	Clear Glass, 5mm	sq.m.	N/A		
SUB-TOTAL OF SECTION 17					
18	PAINTING WORK				
18.3(2)	Oil Paint to Wood	sq.m.	N/A		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	31		
18.3(4)	Acrylic Emulsion Paint, Interior	sq.m.	28		
SUB-TOTAL OF SECTION 18					
19	CARPENTRY AND JOINERY WORK				
19.2(2)	Wood Door Frame	l.m.	N/A		
SUB-TOTAL OF SECTION 19					
20	INTERIOR FINISHING WORK				
20.2(4)	Gypsum Board Ceiling, t=9	sq.m.	7		
SUB-TOTAL OF SECTION 20					
21	MISCELLANEOUS METAL WORK				
21.3(17)	Security Cage	ls.	1		
SUB-TOTAL OF SECTION 21					

BILL OF QUANTITIES

3.7 CHECK POINT BOOTH

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
22	MISCELLANEOUS WORK				
22.3(11)	Roof Insulation, t=50	sq.m.	9		
22.3(13)	Window Flashing Frame	l.m.	3		
22.3(22)	Mirrors	l.m.			
SUB-TOTAL OF SECTION 22					
TRANSFER 3.7 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.8 OFFICER'S PARKING ROOF (T-A)

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	31		
8.3(1)	Backfilling	cu.m.	26		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	cu.m.	1		
SUB-TOTAL OF SECTION 8					
10	CONCRETE AND FORMWORK				
10.2(1)	Concrete (Type D)	cu.m.	4		
10.2(2)	Concrete (Type F)	cu.m.	0		
10.2(4)	Ordinary Form	sq.m.	27		
10.2(5)	Reinforcing Bar	ton	0.27		
SUB-TOTAL OF SECTION 10					
11	STEEL STRUCTURE WORK				
11.1(1)	Structural Steel	ton	1.96		
SUB-TOTAL OF SECTION 11					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	83		
SUB-TOTAL OF SECTION 18					
21	MISCELLANEOUS METAL WORK				
21.3(14)	Roof Gutter, 150x120	l.m.	26		
21.3(15)	Formed Steel Roofing	l.s.	186		
SUB-TOTAL OF SECTION 21					
22	MISCELLANEOUS WORK				
22.3(4)	Downspout, PVC, 100 φ	l.m.	8		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.8 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.9 OFFICER'S PARKING ROOF (T-B)

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	31		
8.3(1)	Backfilling	cu.m.	26		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	cu.m.	1		
SUB-TOTAL OF SECTION 8					
10	CONCRETE AND FORMWORK				
10.2(1)	Concrete (Type D)	cu.m.	4		
10.2(2)	Concrete (Type F)	cu.m.	0		
10.2(4)	Ordinary Form	sq.m.	27		
10.2(5)	Reinforcing Bar	ton	0.27		
SUB-TOTAL OF SECTION 10					
11	STEEL STRUCTURE WORK				
11.1(1)	Structural Steel	ton	2.35		
SUB-TOTAL OF SECTION 11					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	99		
SUB-TOTAL OF SECTION 18					
21	MISCELLANEOUS METAL WORK				
21.3(14)	Roof Gutter, 150x120	l.m.	26		
21.3(15)	Formed Steel Roofing	l.s.	186		
SUB-TOTAL OF SECTION 21					
22	MISCELLANEOUS WORK				
22.3(4)	Downspout, PVC, 100 f	l.m.	8		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.9 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.10 OFFICER'S ACCOMMODATION

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
7	GENERAL REQUIREMENT				
7.3(1)	Geological Survey, Auger Boring	l.m.	N/A		
7.3(2)	Standard Penetration Test and Laboratory Test	ls.	N/A		
SUB-TOTAL OF SECTION 8					
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	511		
8.3(1)	Backfilling	cu.m.	395		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	cu.m.	117		
SUB-TOTAL OF SECTION 8					
9	PILE WORK				
9.3(2)	Prestressed Spun Concrete Pile 300mm f L = 18.0m	l.m.	N/A		
9.3(4)	Pile Head Cut	each	N/A		
SUB-TOTAL OF SECTION 9					
10	CONCRETE, FORMWORK AND REINFORCMENT				
10.2(1)	Concrete (Type D)	cu.m.	169		
10.2(2)	Concrete (Type F)	cu.m.	40		
10.2(3)	Exposed Form	sq.m.	122		
10.2(4)	Ordinary Form	sq.m.	671		
10.2(5)	Reinforcing Bar	ton	8.50		
SUB-TOTAL OF SECTION 10					
11	STRUCTURAL STEEL WORK				
11.2(1)	Structural Steel	ton	11.76		
SUB-TOTAL OF SECTION 12					

BILL OF QUANTITIES**3.10 OFFICER'S ACCOMMODATION**

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
12	MASONRY WORK				
12.2(1)	Half Brick, t=70mm	sq.m.	N/A		
12.2(2)	Concrete Hollow Block, t = 100 mm	sq.m.	17		
SUB-TOTAL OF SECTION 12					
14	TERRAZZO WORK				
14.3(4)	Terrazzo Door Sill,50x100	lm	30		
SUB-TOTAL OF SECTION 14					
15	TILE WORK				
15.2(2)	Ceramic Tile to Interior Wall, 200x200x6	sq.m.	65		
15.2(3)	Ceramic Tile to Floor,200x200x6	sq.m.	519		
15.2(4)	Porcelain Floor Tile,300x300x8	sq.m.	N/A		
SUB-TOTAL OF SECTION 15					
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	1,205		
16.2(2)	Cement Mortar Plaster, Floor	sq.m.	N/A		
16.2(3)	Cement Mortar Skirting,H=100	l.m.	73		
16.3(1)	Waterproof Cement Mortar	sq.m.	N/A		
16.6(1)	Washed Gravel	sq.m.	N/A		
SUB-TOTAL OF SECTION 16					
17	DOOR AND WINDOW WORK				
17.2(3)	Wooden Panel Door	sq.m.	101		
17.4(1)	Aluminum Sliding Window	sq.m.	96		
17.4(4)	Aluminum Louver	sq.m.	17		
17.5(2)	Clear Glass, 5mm	sq.m.	95		
17.5(4)	Figured Glass, 4mm	sq.m.	N/A		
SUB-TOTAL OF SECTION 17					

BILL OF QUANTITIES

3.10 OFFICER'S ACCOMMODATION

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	9		
18.3(2)	Oil Paint to Wood	sq.m.	N/A		
18.3(3)	Acrylic Emulsion Paint,Exterior	sq.m.	466		
18.3(4)	Acrylic Emulsion Paint,Interior	sq.m.	853		
18.3(5)	Clear Lacquer Paint to Wood	sq.m.	N/A		
18.3(6)	Varnish Paint to Wood	sq.m.	321		
SUB-TOTAL OF SECTION 18					
19	CARPENTRY AND JOINERY WORK				
19.2(1)	Wood Handrail	l.m.	17		
19.2(2)	Wood Door Frame	l.m.	233		
19.2(3)	Wood Skirting,H=100	l.m.	295		
SUB-TOTAL OF SECTION 19					
20	INTERIOR FINISHING WORK				
20.2(4)	Gypsum Board Ceiling,l=9	sq.m	492		
SUB-TOTAL OF SECTION 20					
21	MISCELLANEOUS METAL WORK				
21.3(1)	Roof Drain,C.I.100 dia.	each	38		
21.3(5)	Non-Slip Nosing,W=40	l.m.	30		
21.3(8)	Steel Handrail, H=1100	l.m.	7		
21.3(14)	Roof Gutter,150x120	l.m.	206		
21.3(17)	Security Cage	ls.	N/A		
SUB-TOTAL OF SECTION 21					

BILL OF QUANTITIES

3.10 OFFICER'S ACCOMMODATION

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
22	MISCELLANEOUS WORK				
22.3(1)	Kitchen Sink Unit, l = 1800	each	4		
22.3(2)	Kitchen Table Unit, l = 900	each	4		
22.3(3)	Cupboard, l = 1800	each	4		
22.3(4)	Downspout, PVC, 100 f	l.m.	128		
22.3(7)	Expansion Joint Filler, t=20	sq.m	N/A		
22.3(8)	Room Name Plate ,80x350	each	N/A		
22.3(9)	Venetian Blinds	sq.m	96		
22.3(10)	Shower Curtain and Rail	sq.m	9		
22.3(11)	Roof Insulation, t=50	sq.m	488		
22.3(12)	Concrete Roof Tiling w/Complete Parts	sq.m	1,096		
22.3(13)	Window Flashing Frames	l.m.	N/A		
22.3(22)	Mirrors	l.m.	4		
SUB-TOTAL OF SECTION 22					
TRANSFER 3.10 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.11 POWER HOUSE

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.1(1)	Site Preparation	sq.m.	N/A		
8.2(1)	Excavation	cu.m.	15		
8.3(1)	Backfilling	cu.m.	2		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	cu.m.	11		
SUB-TOTAL OF SECTION 8					
9	PILE WORK				
9.3(2)	Prestressed Spun Concrete Pile	l.m.	180		
	300mm ϕ L = 18.0m				
9.3(4)	Pile Head Cut	each	10		
SUB-TOTAL OF SECTION 9					
10	CONCRETE, FORMWORK AND REINFORCEMENT				
10.2(1)	Concrete (Type D)	cu.m.	55		
10.2(2)	Concrete (Type F)	cu.m.	1		
10.2(4)	Ordinary Form	sq.m.	540		
10.2(5)	Reinforcing Bar	ton	6.58		
SUB-TOTAL OF SECTION 10					
12	MASONRY WORK				
12.2(2)	Concrete Hollow Block,t=100mm	sq.m.	143		
SUB-TOTAL OF SECTION 12					
13	WATERPROOFING AND DAMPROOFING WORKS				
13.2(1)	Membrane Waterproof, t=2mm, including joint seal, flashing, caulking	sq.m.	75		
	join seal,flashing,caulking				
SUB-TOTAL OF SECTION 13					

BILL OF QUANTITIES

3.11 POWER HOUSE

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
16	PLASTERING WORK				
16.2(1)	Cement Mortar Plaster, Wall	sq.m.	286		
16.2(2)	Cement Mortar Plaster, Floor	sq.m.	84		
16.2(3)	Cement Mortar Skirting, H=100	l.m.	N/A		
16.6(1)	Washed Gravel	sq.m.	15		
SUB-TOTAL OF SECTION 16					
17	DOOR AND WINDOW WORK				
17.3(1)	Steel Flush Door	sq.m.	18		
17.4(1)	Aluminum Sliding Window	sq.m.	2		
17.4(4)	Aluminum Louver	sq.m.	15		
17.5(2)	Clear Glass, 5mm	sq.m.	2		
SUB-TOTAL OF SECTION 17					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	60		
18.3(3)	Acrylic Emulsion Paint, Exterior	sq.m.	143		
18.3(4)	Acrylic Emulsion Paint, Interior	sq.m.	218		
SUB-TOTAL OF SECTION 18					
21	MISCELLANEOUS METAL WORK				
21.3(1)	Roof Drain, C.I. 100Dia.	each	1		
21.3(12)	Cable Trench Cover	sq.m.	5		
21.3(17)	Security Cage	ls.	1		
SUB-TOTAL OF SECTION 21					
22	MISCELLANEOUS WORK				
22.3(4)	Down Spout, PVC, 100 φ	l.m.	6		
SUB-TOTAL OF SECTION 22					

BILL OF QUANTITIES

3.11 POWER HOUSE

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
23	OUTDOOR WORK				
23.4(1)	Drain Ditch, W= 300	l.m.	30		
23.4(2)	Catch Basin,600x600	each	1		
SUB-TOTAL OF SECTION 23					
TRANSFER 3.11 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.12 GARBAGE DISPOSAL SHED

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.2(1)	Excavation	cu.m.	3		
8.3(1)	Backfilling	cu.m.	1		
8.3(2)	Embankment	cu.m.	1		
8.6(1)	Rubble Foundation	sq.m.	N/A		
SUB-TOTAL OF SECTION 8					
9	PILE WORK				
9.3(1)	Precast Reinforced Concrete Pile I-shape, 180mmx180mm, L=6.0m.	l.m.	80		
9.3(4)	Pile Head Cut	each	20		
SUB-TOTAL OF SECTION 9					
10	CONCRETE, FORMWORK AND REINFORCMENT				
10.2(1)	Concrete (Type D)	cu.m.	7		
10.2(2)	Concrete (Type F)	cu.m.	1		
10.2(4)	Ordinary Form	sq.m.	26		
10.2(5)	Reinforcing Bar	ton	0.39		
SUB-TOTAL OF SECTION 10					
11	STEEL STRUCTURE WORK				
11.1(1)	Structural Steel	ton	0.06		
SUB-TOTAL OF SECTION 11					
12	MASONRY WORK				
12.2(2)	Concrete Hollow Block ,t=100mm	sq.m.	35		
SUB-TOTAL OF SECTION 12					
17	DOOR AND WINDOW WORK				
17.3(1)	Steel Flush Door	sq.m.	8		
SUB-TOTAL OF SECTION 17					

BILL OF QUANTITIES

3.12 GARBAGE DISPOSAL SHED

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
18	PAINING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	24		
SUB-TOTAL OF SECTION 18					
21	MISCELLANEOUS WORK				
21.3(15)	Formed Steel Roofing	sq.m	47		
SUB-TOTAL OF SECTION 21					
TRANSFER 3.12 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

BILL OF QUANTITIES

3.13 VEHICLE INSPECTION PIT

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
8	EARTH WORKS				
8.2(1)	Excavation	cu.m.	47		
8.3(1)	Backfilling	cu.m.	14		
8.3(2)	Embankment	cu.m.	N/A		
8.6(1)	Rubble Foundation	sq.m.	2		
SUB-TOTAL OF DIVISION NO. 8					
10	CONCRETE, FORMWORK AND REINFORCMENT				
10.2(1)	Concrete (Type D)	cu.m.	8		
10.2(2)	Concrete (Type F)	cu.m.	1		
10.2(4)	Ordinary Form	sq.m.	54		
10.2(5)	Reinforcing Bar	ton	0.31		
SUB-TOTAL OF DIVISION NO. 10					
11	STEEL STRUCTURE WORK				
11.1(1)	Structural Steel	ton	N/A		
SUB-TOTAL OF DIVISION NO. 11					
12	MASONRY WORK				
12.2(1)	Half Brick, t=70mm	sq.m.	1		
SUB-TOTAL OF DIVISION NO. 13					
16	PLASTERING WORK				
16.3(1)	Waterproof Cement Motar	sq.m.	30		
SUB-TOTAL OF DIVISION NO. 16					
18	PAINTING WORK				
18.3(1)	Oil Paint to Steel	sq.m.	8		
18.3(2)	Anti-rust Paint	sq.m.	8		
SUB-TOTAL OF DIVISION NO. 18					

BILL OF QUANTITIES

3.13 VEHICLE INSPECTION PIT

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	UNIT PRICE	AMOUNT (x 1,000) KIP
22	MISCELLANEOUS WORK				
22.3(7)	Expansion Joint Filter,t=20	sq.m	5		
SUB-TOTAL OF DIVISION NO. 16					
TRANSFER 3.13 TO TOTAL TO SUMMARY OF PRICES TOTAL				(x 1,000) KIP	

PART 4 UTILITY WORKS

BILL OF QUANTITIES

SUMMARY OF PRICES

PART-4 UTILITY WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

NO.	ITEM	UNIT	QUANTITY	UNIT RATE	AMOUNT (x 1,000) KIP
1	ELECTRICAL WORK	each	1		
2	MECHANICAL WORK	each	1		
TOTAL OF PART-4 IN (x 1,000) KIP					

BILL OF QUANTITIES

SECTION 25 - ELECTRICAL WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	Unit Price (x 1,000) KIP	AMOUNT (x 1,000) KIP
25.1(1)	Power receiving facility	nos	2		
25.1(2)	Power receiving payment to EDL	Ls	1		
25.2(1)	Emergency Diesel Generator	nos	1		
25.3(1)	L/V PANEL-1	nos	1		
25.3(2)	LP-IC-1	nos	1		
25.3(3)	LP-IC-2	nos	1		
25.3(4)	LP-IC-3	nos	1		
25.3(5)	L-MT	nos	1		
25.3(6)	L-AC-MT	nos	1		
25.3(7)	L-P	nos	1		
25.3(8)	L-B-1	nos	1		
25.3(9)	L-B-2	nos	1		
25.3(10)	L-B-1-A-1 : 11	nos	11		
25.3(11)	L-B-2-D-1 : 11	nos	11		
25.3(12)	L-B-1-ENI, 2	nos	2		
25.3(13)	L-B-1-EX1, 2	nos	2		
25.3(14)	L-T1, 2	nos	2		
25.3(15)	P-AC-1	nos	1		
25.3(16)	P-AC-2	nos	1		
25.3(17)	P-AC-3	nos	1		
25.3(18)	L-OL	nos	1		
25.3(19)	L-BRL	nos	1		
25.3(20)	L-OLH	nos	1		
25.3(21)	L-CHT	nos	1		
25.3(22)	L/V PANEL-2	nos	1		
25.3(23)	L-RL	nos	1		
25.3(24)	L-CH	nos	1		
25.3(25)	LP-ACOM	nos	1		
25.3(26)	LP-ACOM-S1 : 10	nos	10		
25.3(27)	LP-ACOM-K	nos	1		
25.3(28)	LP-ACOM-T	nos	1		
25.3(29)	LP-ACOM-F1 : 3	nos	3		
25.4(1)	UPS	nos	1		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 25 - ELECTRICAL WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	Unit Price (x 1,000) KIP	AMOUNT (x 1,000) KIP
25.5(1)	Highmast lighting	nos	20		
25.6(1)	22KV XLPE/PVC 50SQ-3C	lm	350		
25.6(2)	XLPE/PVC 120SQ-1C	lm	80		
25.6(3)	XLPE/PVC 185SQ-1C	lm	320		
25.6(4)	XLPE/PVC 2.5SQ-2C	lm	1,200		
25.6(5)	XLPE/PVC 4SQ-2C	lm	1,330		
25.6(6)	XLPE/PVC 6SQ-2C	lm	700		
25.6(7)	XLPE/PVC 10SQ-2C	lm	1,690		
25.6(8)	XLPE/PVC 16SQ-2C	lm	1,310		
25.6(9)	XLPE/PVC 25SQ-2C	lm	420		
25.6(10)	XLPE/PVC 35SQ-2C	lm	390		
25.6(11)	XLPE/PVC 50SQ-2C	lm	230		
25.6(12)	XLPE/PVC 95SQ-2C	lm	390		
25.6(13)	XLPE/PVC 120SQ-2C	lm	230		
25.6(14)	XLPE/PVC 10SQ-3C	lm	300		
25.6(15)	XLPE/PVC 25SQ-3C	lm	20		
25.6(16)	XLPE/PVC 10SQ-4C	lm	400		
25.6(17)	XLPE/PVC 16SQ-4C	lm	230		
25.6(18)	XLPE/PVC 25SQ-4C	lm	2,030		
25.6(19)	XLPE/PVC 35SQ-4C	lm	240		
25.6(20)	XLPE/PVC 50SQ-4C	lm	1,170		
25.6(21)	XLPE/PVC 70SQ-4C	lm	200		
25.6(22)	XLPE/PVC 95SQ-4C	lm	230		
25.6(23)	XLPE/PVC 120SQ-4C	lm	410		
25.6(24)	PVC/PVC 2.5SQ-3C	lm	9,000		
25.6(25)	PVC/PVC 4SQ-3C	lm	980		
25.6(26)	PVC/PVC 2.5SQ-4C	lm	1,190		
25.6(27)	TIEV 0.65MM-2C	lm	3,140		
25.6(28)	TPEV 0.65MM-10P	lm	30		
25.6(29)	TPEV 0.65MM-20P	lm	20		
25.6(30)	TPEV 0.65MM-30P	lm	20		
25.6(31)	TPEV 0.65MM-50P	lm	620		
25.6(32)	Coaxial cable for TV	lm	640		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 25 - ELECTRICAL WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	Unit Price (x 1,000) KIP	AMOUNT (x 1,000) KIP
25.6(33)	Ararm cable for Public announcing	lm	430		
25.6(34)	PVC 1.5SQ	lm	1,580		
25.6(35)	PVC 2.5SQ	lm	990		
25.6(36)	PVC 6SQ	lm	1,690		
25.6(37)	PVC 10SQ	lm	30		
25.6(38)	PVC 70SQ	lm	1,710		
25.7(1)	EFLEX 30	lm	3,360		
25.7(2)	EFLEX 50	lm	3,830		
25.7(3)	EFLEX 80	lm	4,890		
25.7(4)	EFLEX 100	lm	990		
25.7(5)	Manhole	nos	10		
25.7(6)	Handhole-1	nos	78		
25.7(7)	Handhole-2	nos	9		
25.8(1)	Rigid metal conduit (EMT 1/2 INCH)	lm	40		
25.8(2)	Rigid metal conduit (EMT 3/4 INCH)	lm	20		
25.8(3)	Rigid metal conduit (EMT 1 INCH)	lm	690		
25.8(4)	Rigid metal conduit (EMT 1-1/2 INCH)	lm	40		
25.8(5)	Rigid metal conduit (EMT 2 INCH)	lm	20		
25.8(6)	Rigid metal conduit (EMT 4 INCH)	lm	20		
25.8(7)	Flexible tube (PFLEX-CD 22)	lm	1,690		
25.8(8)	Flexible tube (PFLEX-CD 28)	lm	1,720		
25.8(9)	Flexible tube (PFLEX-CD 36)	lm	40		
25.8(10)	Pull box (200*200*200)	nos	33		
25.8(11)	Pull box (300*300*300)	nos	14		
25.9(1)	FL 40W*2 w/louwer recessed	nos	201		
25.9(2)	FL 40W*2 w/louwer,BT recessed	nos	84		
25.9(3)	FL 40W*2 recessed	nos	16		
25.9(4)	FL 40W*1 recessed	nos	28		
25.9(5)	FL 40W*2 w/cover,BT recessed	nos	55		
25.9(6)	FL 40W*1 wall mounted	nos	94		
25.9(7)	FL 18W*1 recessed (Ceiling lighting)	nos	108		
25.9(8)	FL 20W*1 w/BT surface mounted	nos	10		
25.9(9)	FL 40W*1 w/BT wall mounted (Stairway guide)	nos	3		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 25 - ELECTRICAL WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	Unit Price (x 1,000) KIP	AMOUNT (x 1,000) KIP
25.9(10)	FL 20W*5 w/cover recessed	nos	42		
25.9(11)	FL 13W*1 w/BT recessed (Emergency lighting)	nos	4		
25.9(12)	FL 40W*1 surface mounted WP	nos	53		
25.9(13)	FL 40W*1 surface mounted w/BT	nos	5		
25.9(14)	Highbay HID 250W*1(Sodium lamp)	nos	27		
25.9(15)	Highbay HID 250W*1(Mercury lamp)	nos	53		
25.9(16)	Garden lighting HID 100W*1 (Mercury lamp)	nos	3		
25.9(17)	Power outlet 2P-16A-2 Wall recessed w/ET	nos	358		
25.9(18)	Power outlet 2P-16A-2 Wall recessed w/ET WP	nos	24		
25.9(19)	Power outlet 2P-16A-2 Surface mounted	nos	3		
25.9(20)	Tumbler switch : 1(one) switch wall recessed	nos	216		
25.9(21)	Tumbler switch : 2(two) switch wall recessed	nos	29		
25.9(22)	Tumbler switch : 3(three) switch wall recessed	nos	11		
25.9(23)	Tumbler switch : 1(one) switch surface mounted	nos	3		
25.10(1)	PBX	nos	1		
25.10(2)	Terminal box 10P	nos	2		
25.10(3)	Terminal box 20P	nos	1		
25.10(4)	Terminal box 50P	nos	3		
25.10(5)	Telephone outlet	nos	125		
25.10(6)	Booster	nos	2		
25.11(1)	Public announcing unit	nos	1		
25.11(2)	Speaker	nos	11		
25.12(1)	UHF antenna	nos	2		
25.12(2)	VHF antenna	nos	2		
25.12(3)	TV outlet	nos	25		
25.12(4)	U-V mixer	nos	2		
25.12(5)	Distributer	nos	2		
25.13(1)	Outlet box for CPU	nos	112		
25.14(1)	Grounding	Ls	1		
25.15(1)	Lightning rod Copper 1500length	lm	70		
25.15(2)	Lightning rod Copper 3000length	lm	12		
25.15(3)	Down conductor	nos	420		
25.15(4)	Horizontal conductor	nos	250		
25.15(5)	Grounding work for lightning protection	e.a.	10		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 26 - MECHANICAL WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	Unit Price (x 1,000) KIP	AMOUNT (x 1,000) KIP
26.1(1)	Water tower-1	nos	1		
26.1(2)	Water tower-2	nos	1		
26.1(3)	City water receiving payment to Nampapa	Ls	1		
26.1(4)	Roof top tank	nos	1		
26.1(5)	Septic tank-1	nos	2		
26.1(6)	Septic tank-2	nos	2		
26.1(7)	Septic tank-3	nos	1		
26.1(8)	Septic tank-4	nos	2		
26.1(9)	Septic tank-5	nos	1		
26.1(10)	Gate valve 1 inch	nos	52		
26.1(11)	Gate valve 2 inch	nos	42		
26.1(12)	Check valve 2 inch	nos	5		
26.1(13)	Valve box	nos	42		
26.1(14)	PVC pipe 3/4 inch (class 13.5) Indoor	lm	290		
26.1(15)	PVC pipe 1 inch (class 13.5) Indoor	lm	160		
26.1(16)	PVC pipe 2 inch (class 13.5) Indoor	lm	200		
26.1(17)	PVC pipe 2 inch (class 8.5) Indoor	lm	250		
26.1(18)	PVC pipe 3 inch (class 8.5) Indoor	lm	310		
26.1(19)	PVC pipe 4 inch (class 8.5) Indoor	lm	530		
26.1(20)	PVC pipe 1 inch (class 13.5) Under ground	lm	460		
26.1(21)	PVC pipe 2 inch (class 13.5) Under ground	lm	2,900		
26.1(22)	PVC pipe 3 inch (class 13.5) Under ground	lm	1,030		
26.1(23)	PVC pipe 4 inch (class 8.5) Under ground	lm	640		
26.1(24)	Invert 900sq * 1200H	nos	47		
26.1(25)	Concrete pipe 150mm	lm	120		
26.1(26)	Concrete pipe 200mm	lm	80		
26.1(27)	Concrete pipe 250mm	lm	90		
26.1(28)	Concrete pipe 300mm	lm	50		
26.1(29)	Catch basin 600 * 1000 * 1600H	nos	28		
26.1(30)	Water closet	nos	35		
26.1(31)	Urinal	nos	14		
26.1(32)	Lavatory	nos	30		
26.1(33)	Slop sink	nos	8		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

BILL OF QUANTITIES

SECTION 26 - MECHANICAL WORK

PACKAGE 2

BORDER CONTROL FACILITY AND CONNECTING ROAD

ITEM NO.	DESCRIPTION (with unit price written in words)	UNIT	QUANTITY	Unit Price (x 1,000) KIP	AMOUNT (x 1,000) KIP
26.1(34)	Faucet for kitchen sink	nos	11		
26.1(35)	Fauset for outdoor sprinkle	nos	57		
26.1(36)	Hot shower unit	nos	10		
26.1(37)	Clean out	nos	39		
26.1(38)	Floor drain	nos	41		
26.2(1)	Air conditioner AC-1 (12500BTU/HR)	nos	36		
26.2(2)	Air conditioner AC-2 (18000BTU/HR)	nos	12		
26.2(3)	Air conditioner AC-3 (22200BTU/HR)	nos	14		
26.2(4)	Air conditioner AC-4 (26300BTU/HR)	nos	2		
26.2(5)	Air conditioner AC-5 (28400BTU/HR)	nos	6		
26.2(6)	Air conditioner AC-7 (9000BTU/HR)	nos	52		
26.2(7)	Ventilation EXH C-1 (70m3/HR)	nos	10		
26.2(8)	Ventilation EXH C-2 (130m3/HR)	nos	20		
26.2(9)	Ventilation EXH C-3 (190m3/HR)	nos	29		
26.2(10)	Ventilation INT C-3 (190m3/HR)	nos	13		
26.2(11)	Ventilation EXH C-4 (250m3/HR)	nos	7		
26.2(12)	Ventilation INT C-4 (250m3/HR)	nos	6		
26.2(13)	Ventilation EXH C-5 (400m3/HR)	nos	1		
26.2(14)	Ventilation EXH W-1 (40m3/HR)	nos	53		
26.2(15)	Ventilation EXH W-2 (80m3/HR)	nos	4		
26.2(16)	Ventilation EXH W-3 (130m3/H)	nos	18		
26.2(17)	Ventilation EXH W-4 (200m3/HR)	nos	4		
26.2(18)	Ventilation EXH W-5 (370m3/HR)	nos	16		
26.2(19)	Ventilation EXH W-6 (600m3/HR)	nos	4		
26.2(20)	Ventilation EXH W-7 (1200/HR)	nos	1		
26.2(21)	Ventilation EXH W-8 (3500/HR)	nos	1		
26.2(22)	Ventilation EXH W-9 (12000/HR)	nos	3		
26.3(1)	Fire hydrant system	nos	1		
26.3(2)	Fire extinguisher	nos	20		
26.4(1)	Civil works for under ground piping Type-S1	lm	3,450		
26.4(2)	Civil works for under ground piping Type-S2	lm	700		
26.4(3)	Civil works for under ground piping Type-W1	lm	730		
CARRY SUBTOTAL FORWARD TO FOLLOWING SHEET				(x 1,000) KIP	

SECTION 7 – FORM OF AGREEMENT

AGREEMENT (Package 2)

This Agreement made this day of (state year)
between of the Ministry of Communication, Transport,
Post and Construction, Government of the Lao People's Democratic Republic (hereinafter called
"the Employer") of the one part and
of (hereinafter called "the Contractor") of the other part

Whereas the Employer is desirous that certain Works should be executed by the Contractor, viz.
..... and
has accepted a Bid by the Contractor for the execution and completion of such Works and the
remedying of any defects therein.

Now this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Letter of Acceptance;
 - (b) Addenda / or Memorandum of Understanding;
 - (c) The Bid and the Appendix to Bid;
 - (d) The said Bid;
 - (e) The Conditions of Particular Application (Part II);
 - (f) The General Conditions (Part I);
 - (g) The Specifications;
 - (h) The Drawings;
 - (i) The Priced Bill of Quantities; and
 - (j) The Schedules of Supplementary Information.
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

SECTION 8 – FORMS OF SECURITIES

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FORM OF ADVANCE PAYMENT SECURITY	S8 - 4

FORM OF PERFORMANCE SECURITY

(Bank Guarantee)

THIS AGREEMENT is made on the day of (state month and year) between [name of bank] of [address of bank] (hereinafter called "the Guarantor") of the part and [name of Employer] of [address of Employer] (hereinafter called "the Employer") of the other part.

WHEREAS

- (1) this agreement is supplemental to a contract (hereinafter called "the Contract") made between [name of Contractor] of [address of Contractor] (hereinafter called "the Contractor") of the part and the Employer of the other part whereby the Contractor and agreed and undertook to execute the works of [name of Contractor and brief description of the works] for the sum of [amount in Contract Currency] being the Contract Price ; and
- (2) the Guarantor has agreed to guarantee the due performance of the Contract in the hereinafter appearing.

NOW , THEREFORE, the Guarantor hereby agrees with the Employer as follows;

- (a) If the Contractor (unless relieved from the performance by any clause of the Contract or by statute or by the decision of a tribunal of competent jurisdiction) shall in any respect fail to execute the Contract or commit any breach of his obligations thereunder then the Guarantor will indemnify and pay the Employer the aggregate sum of [amount of Guarantee] [in words], such sum being payable in the types and amounts of currencies in which the Contract Price is payable, provided that the Employer or his authorized representative has notified the Guarantor to that effect and has made a claim against the Guarantor before the Issue of the Defects Liability Certificate.
- (b) The Guarantor shall not be discharged or released from his guarantee by an arrangement between the Contractor and the Employer, with or without the consent of the Guarantor, or by any alteration in the obligations undertaken by the Contractor, or by any forbearance on the part of the Contractor, whether as to payment, time, performance, or other wise, and any notice to the Guarantor of any such arrangement, alteration, or forbearance is hereby expressly waived.

This Guarantee shall be valid until a date 28 days from the date of issue of the Taking-Over Certificate.

Given under our hand on the date first mentioned above.

SIGNED BY

for and on behalf of the

Guarantor in the presence of

SIGNED BY

for and on behalf of the

Employer in the presence of

(Witness)

(Witness)

FORM OF ADVANCE PAYMENT SECURITY

(BANK GUARANTEE)

To: _____ *[name of Employer]*
_____ *[address of Employer]*
_____ *[name of Contract]*

Gentlemen:

In accordance with the provisions of the Conditions of Particular Application, Sub-Clause 60.7 ("Advance Payment") of the above-mentioned Contract, _____ *[name and Address of Contractor]* (hereinafter called "the Contractor") shall deposit with _____ *[name of Employer]* a bank guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of _____ *[amount of Guarantee]* _____ *[in words]*.

We, the _____ *[bank or financial institution]*, as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____ *[name of Employer]* on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding _____ *[amount of Guarantee]* _____ *[in words]*.

We further agree that no change or addition to or other modification of the terms of the Contract or of Works to be performed thereunder or of any of the Contract documents which may be made between _____ *[name of Employer]* and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____ *[name of Employer]* receives full repayment of the same amount from the Contractor.

Yours truly, _____

SIGNATURE AND SEAL: _____

SECTION 9 – SCHEDULES OF SUPPLEMENTARY INFORMATION

SCHEDULE 1

MAJOR ITEMS OF CONSTRUCTIONAL PLANT

Description (Type, Model, Make) ¹	No. of Each	Year of Manufacture	New or Used	Owned (O) Or Leased (L)	Est. CIF Value ²	Power Rating	Capacity t or m ³
1. Quarrying and aggregate processing 1.1 1.2 etc.							
2. Rock excavation 2.1 2.2 etc.							
3. Earth excavation 3.1 3.2 etc.							
4. Haulage 4.1 4.2 etc.							
5. Concreting 5.1 5.2 etc.							
6. Asphalt mixing 6.1 6.2 etc.							
7. Pile driving 7.1 7.2 etc.							
8. Miscellaneous 8.1 8.2 etc.							
1. The Employer should select appropriate major heading to suit the nature of the Works. 2. The bidder shall enter in this Schedule all major items of Construction Plant which he proposes to bring on site, both owned and leased (rented), and shall indicate the proposed port of entry. 3. The bidder shall list in this Schedule the capacity in tons, cubic meters or other appropriate measures, for each equipment							

SCHEDULE II ⁴		
KEY PERSONNEL ⁵		
	Name of	Summary of Qualifications
	(i) Nominee	Experience and Present
	(i) Alternate	Occupation
<p>Headquarters Partner/Director Other Key Staff (give designation)</p> <p>Site Office Site Superintendent Deputy Superintendent Supervising Engineers Construction Supervisors Other Key Staff</p>		
<p>4. The bidder shall list in this Schedule the key personnel (including first nominee and the second choice alternate) he will employ from headquarters and from Site Office to direct and execute the Work, together with their qualifications, experience, positions held and their nationalities.</p> <p>5. This Schedule would normally be included for medium to large size contracts or complex works or both. List the "Designations" as appropriate</p>		

SCHEDULE III⁶
SUBCONTRACTORS

Element of Work	Approximate Value	Name and Address of Subcontractor	Statement of Similar Works Previously Executed
<p>6. The bidder shall enter in this Schedule a list of the sections and appropriate value of the work for which he proposes to use subcontractors, together with the names and addresses of the proposed subcontractors. The bidder shall also enter a statement of similar works previously executed by the proposed subcontractors, including description, location and value of work, year completed, and name and address of the employer/engineer. Notwithstanding such information the bidder, if awarded the Contract, shall remain entirely and solely responsible for the satisfactory completion of the Works.</p>			

JICA

