



**CONSTRUCTION OF NATIONAL ROAD MALIANA-CAILACO-MAROBO BRIDGE
(26KM) BOBONARO MUNICIPALITY**

TENDER/105/MOP-2025

ADDENDUM NO.2

Date: 14 October 2025

This Addendum No.2 is issued to amend following items in the Bidding Document in accordance with ITB 8.1 of the Bidding Documents (Section I).

Item	Section/Clause/ Page No. of Bidding Documents	As is the Original Bidding Document	As amended in the Addendum No. 2																																																																																																																																										
1.	Section III, Evaluation and Qualification Criteria Page 45	Construction Experience in Key Activities For the above and any other contracts that have been successfully or substantially completed as prime contractor or joint venture member between 1st January 2018 and Bid submission deadline, a minimum construction experience in the following key activities successfully completed in one contract: 1.Stone masonry/Gabion: 18,000 M3 2.Excavation/Embankment: 195,000.00 M3 3.Aggregate Base/Subbase: 85,000.00 M3 4.Bridge with Pile Construction 5.Asphaltic Concrete wearing Binder Course: 160,000.00	Construction Experience in Key Activities For the above and any other contracts that have been successfully or substantially completed as prime contractor or joint venture member between 1st January 2018 and Bid submission deadline, a minimum construction experience in the following key activities successfully completed in one contract: 1.Stone masonry/Gabion: 18,000 M3 2.Excavation/Embankment: 195,000.00 M3 3.Aggregate Base/Subbase: 85,000.00 M3 4.Bridge with Pile Construction 5.Asphaltic Concrete wearing Binder Course: 160,000.00 sq.m																																																																																																																																										
2.	Section 4, Bidding Form Issued in a Separate Volume as Volume 2-Bill of Quantities Page no.85	<table><tr><th>PAY ITEM</th><th>ITEM DESCRIPTION</th><th>UNIT</th><th>QUANTITY</th><th>UNIT RATES</th><th>AMOUNT US\$</th></tr><tr><td>100</td><td>GENERAL</td><td></td><td></td><td></td><td></td></tr><tr><td>102.1.1</td><td>Mobilization Requirement for All Contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>102.1.4</td><td>Demobilization of all contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>103</td><td>Field Offices and Facilities for the Contractor</td><td></td><td></td><td></td><td></td></tr><tr><td>104</td><td>Office and Accommodation for the Engineer</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>105</td><td>Vehicles for the Engineer</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.1</td><td>Laboratory Testing Services</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.2</td><td>Drilling including SPT and Report</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>108</td><td>Traffic Management and Safety</td><td></td><td></td><td></td><td></td></tr><tr><td>109</td><td>Field Engineering</td><td></td><td></td><td></td><td></td></tr><tr><td>114</td><td>Environmental Safeguard</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>115(R)</td><td>Relocation of Existing Electric Utility Pole - Medium Voltage</td><td>Each</td><td>10.00</td><td></td><td></td></tr></table>	PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATES	AMOUNT US\$	100	GENERAL					102.1.1	Mobilization Requirement for All Contract	Ls	1.00			102.1.4	Demobilization of all contract	Ls	1.00			103	Field Offices and Facilities for the Contractor					104	Office and Accommodation for the Engineer	Ls	1.00			105	Vehicles for the Engineer	Ls	1.00			106.1	Laboratory Testing Services	Ls	1.00			106.2	Drilling including SPT and Report	Ls	1.00			108	Traffic Management and Safety					109	Field Engineering					114	Environmental Safeguard	Ls	1.00			115(R)	Relocation of Existing Electric Utility Pole - Medium Voltage	Each	10.00			<table><tr><th>PAY ITEM</th><th>ITEM DESCRIPTION</th><th>UNIT</th><th>QUANTITY</th><th>UNIT RATE US\$</th><th>AMOUNT US\$</th></tr><tr><td>100</td><td>GENERAL</td><td></td><td></td><td></td><td></td></tr><tr><td>102.1.1</td><td>Mobilization Requirement for All Contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>102.1.4</td><td>Demobilization of all contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>104</td><td>Office and Accommodation for the Engineer</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>105</td><td>Vehicles for the Engineer (2 units total)</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.1</td><td>Laboratory Testing Services</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.2</td><td>Drilling including SPT and Report</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>108</td><td>Traffic Management and Safety</td><td></td><td></td><td></td><td></td></tr><tr><td>115(R)</td><td>Relocation of Existing Electric Utility Pole - Medium Voltage</td><td>Each</td><td>10.00</td><td></td><td></td></tr></table> Note: Please see attached revised Bill of Quantities as Appendix-1	PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US\$	AMOUNT US\$	100	GENERAL					102.1.1	Mobilization Requirement for All Contract	Ls	1.00			102.1.4	Demobilization of all contract	Ls	1.00			104	Office and Accommodation for the Engineer	Ls	1.00			105	Vehicles for the Engineer (2 units total)	Ls	1.00			106.1	Laboratory Testing Services	Ls	1.00			106.2	Drilling including SPT and Report	Ls	1.00			108	Traffic Management and Safety					115(R)	Relocation of Existing Electric Utility Pole - Medium Voltage	Each	10.00		
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3.	Section 3, Evaluation and Qualification Criteria Page no.46	The Bidder must demonstrate that it has the key equipment listed below:	The Bidder must demonstrate that it has the key equipment listed below:																																																																																																																																										

Item	Section/Clause/ Page No. of Bidding Documents	As is the Original Bidding Document			As amended in the Addendum No. 2		
		No	Type of Equipment	Number	No	Type of Equipment	Number
		1	Excavator 200HP	6	1	Excavator 200HP	6
		2	Tandem Roller 6 – 8 ton	2	2	Tandem Roller 6 – 8 ton	2
		3	Tire Roller (8 to 10 Ton)	1	3	Tire Roller (8 to 10 Ton)	1
		3	Wheel Loader	4	3	Wheel Loader 1.8 cu.m, bucket capacity, 160 HP	4
		4	Dump Truck 6-8 cu.m	6	4	Dump Truck 6-8 cu.m	6
		5	Motor Grader	2	5	Motor Grader, 160 HP	2
		6	Bulldozer 165 – 200 HP	1	6	Bulldozer 165 – 200 HP	1
		7	Water Tank	2	7	Water Tank, 5000 Liters	2
		8	Vibratory Roller	2	8	Vibratory Roller, 10-12T	2
		9	Stone Crusher Plant	1	9	Stone Crusher Plant, 160-250 TPH	1
		10	Concrete Batching Plant	1	10	Concrete Batching Plant, Ranging from 20-40 m3/hr	1
		11	Asphalt Sprayer	1	11	Asphalt Sprayer, - Spray Width: 4-6 meter - Spary rate:0.8-1.0L/m2	1
		12	Air Compressor	1	12	Air Compressor, - 750-1,200 CFM - 100-150 PSI - 300-500 Liters	1
		13	Generator Set	1	13	Generator Set, 251 kVA, 200kW	1
		14	Asphalt Distributor	1	14	Asphalt Distributor, 4000-6000 Liters 6000-1200 Lites 500L/minit	1
		15	Transit Mixer 3.5 to 4.5 cubic meters	4	15	Transit Mixer 3.5 to 4.5 cubic meters	4
		16	Asphalt Paver/Finisher, 4.0m width	1	16	Asphalt Paver/Finisher, 4.0m width	1
		17	Asphalt Mixing Plant, 40 cu.m/hour	1	17	Asphalt Mixing Plant, 40 cu.m/hour	1

Note : Supporting document required:

- **Owned** – provide proof of ownership/purchase agreement
- **Rented/Leased** – provide rental agreement/ lease agreement
- The age of the equipment to be used under the contract shall not be more than 7 years. The evidence for the date of equipment original manufacturing is required.
- Availability of equipment within Timor-Leste will be considered an advantage, demonstrating the Bidder's ability to mobilize promptly and minimize delivery risks.

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Hermingardo Albano Soares

Executive Director of National Procurement Commission (NPC)



**CONSTRUÇÃO DA ESTRADA NACIONAL DE MALIANA-CAILACO-PONTE DE
MAROBO (26 KM) MUNICÍPIO DE BOBONARO**

TENDER/105/MOP-2025

EMENDA Nº 2

Data: 14 de Outubro de 2025

A presente emenda nº 2 é emitida para alterar os seguintes itens do Programa de Procedimento/Caderno de Encargos nos termos da Instrução aos Concorrentes 8.1 do Programa de Procedimento (Secção I).

Item	Secção/Cláusu la/ N° de pág. do Programa de Procedimento o/Caderno de Encargos	Conforme o original do Programa de Procedimento/Caderno de Encargos	Conforme a Emenda nº 2																																																																																																																																										
1.	Secção III Critérios de Avaliação e Qualificação Página 45	Experiência de construção em Atividades Principais; Para os contratos acima referidos e quaisquer outros que tenham sido substancial ou totalmente concluídos, como empreiteiro principal ou sócio de consórcio, entre 1 de janeiro de 2017 e o prazo de apresentação de propostas, deverá apresentar uma experiência mínima de construção nas seguintes atividades principais, concluídas com êxito num contrato1: 1. Alvenaria/ Gabiões: 18.000,00 M3 2. Escavação/Aterro: 195.000,00 M3 3. Camada de base/sub-base: 85.000,00 M3 4. Ponte com construção sobre fundações em estacas 5.Camada de desgaste em betão: 160.000,00.	Experiência de construção em Atividades Principais; Para os contratos acima referidos e quaisquer outros que tenham sido substancial ou totalmente concluídos, como empreiteiro principal ou sócio de consórcio, entre 1 de janeiro de 2017 e o prazo de apresentação de propostas, deverá apresentar uma experiência mínima de construção nas seguintes atividades principais, concluídas com êxito num contrato1: 1. Alvenaria/ Gabiões: 18.000,00 M3 2. Escavação/Aterro: 195.000,00 M3 3. Camada de base/sub-base: 85.000,00 M3 4. Ponte com construção sobre fundações em estacas 5.Camada de desgaste em betão: 160.000,00 m2																																																																																																																																										
2.	Secção 4 Emitido em Volume separado como Volume 2-Mapa de Quantidades Página 85	<table><tr><th>PAY ITEM</th><th>ITEM DESCRIPTION</th><th>UNIT</th><th>QUANTITY</th><th>UNIT RATE US \$</th><th>AMOUNT US \$</th></tr><tr><td>100</td><td>GENERAL</td><td></td><td></td><td></td><td></td></tr><tr><td>102.1.1</td><td>Mobilization Requirement for All Contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>102.1.4</td><td>Demobilization of all contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>104</td><td>Office and Accommodation for the Contractor</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>104</td><td>Office and Accommodation for the Engineer</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>105</td><td>Vehicles for the Engineer</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.1</td><td>Laboratory Testing Services</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.2</td><td>Drilling, including SPT and Report</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>108</td><td>Traffic Management and Safety</td><td></td><td></td><td></td><td></td></tr><tr><td>109</td><td>Field Engineering</td><td></td><td></td><td></td><td></td></tr><tr><td>114</td><td>Environmental Safeguard</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>115(3)</td><td>Relocation of Existing Electric Utility Pole - Medium Voltage</td><td>Each</td><td>10.00</td><td></td><td></td></tr></table>	PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US \$	AMOUNT US \$	100	GENERAL					102.1.1	Mobilization Requirement for All Contract	Ls	1.00			102.1.4	Demobilization of all contract	Ls	1.00			104	Office and Accommodation for the Contractor	Ls	1.00			104	Office and Accommodation for the Engineer	Ls	1.00			105	Vehicles for the Engineer	Ls	1.00			106.1	Laboratory Testing Services	Ls	1.00			106.2	Drilling, including SPT and Report	Ls	1.00			108	Traffic Management and Safety					109	Field Engineering					114	Environmental Safeguard	Ls	1.00			115(3)	Relocation of Existing Electric Utility Pole - Medium Voltage	Each	10.00			<table><tr><th>PAY ITEM</th><th>ITEM DESCRIPTION</th><th>UNIT</th><th>QUANTITY</th><th>UNIT RATE US \$</th><th>AMOUNT US \$</th></tr><tr><td>100</td><td>GENERAL</td><td></td><td></td><td></td><td></td></tr><tr><td>102.1.1</td><td>Mobilization Requirement for All Contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>102.1.4</td><td>Demobilization of all contract</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>104</td><td>Office and Accommodation for the Engineer</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>105</td><td>Vehicles for the Engineer (2 units 4x4)</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.1</td><td>Laboratory Testing Services</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>106.2</td><td>Drilling, including SPT and Report</td><td>Ls</td><td>1.00</td><td></td><td></td></tr><tr><td>108</td><td>Traffic Management and Safety</td><td></td><td></td><td></td><td></td></tr><tr><td>115(3)</td><td>Relocation of Existing Electric Utility Pole - Medium Voltage</td><td>Each</td><td>10.00</td><td></td><td></td></tr></table> Nota: É favor consultar o Mapa de Quantidades revisto no Apêndice 1.	PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US \$	AMOUNT US \$	100	GENERAL					102.1.1	Mobilization Requirement for All Contract	Ls	1.00			102.1.4	Demobilization of all contract	Ls	1.00			104	Office and Accommodation for the Engineer	Ls	1.00			105	Vehicles for the Engineer (2 units 4x4)	Ls	1.00			106.1	Laboratory Testing Services	Ls	1.00			106.2	Drilling, including SPT and Report	Ls	1.00			108	Traffic Management and Safety					115(3)	Relocation of Existing Electric Utility Pole - Medium Voltage	Each	10.00		
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3. Secção III
Critérios de
Avaliação e
Qualificação

Página 46

The Bidder must demonstrate that it has the key equipment listed below:

Nº	Tipo de Equipamento	Quantidade de
1	Escavadora 200HP	6
2	Rolo Tandem 6-8 ton	2
3	Rolo Pneumático 8-10 ton	1
3	Carregadora de rodas	4
4	Camião <i>Dumper</i> , 6-8 m ³	6
5	Motoniveladora	2
6	Bulldozer 165-200 HP	1
7	Reservatório de água	2
8	Rolo Vibratório	2
9	Instalação de britagem de pedra	1
10	Instalação de Central de betão	1
11	Aspersor de asfalto	1
12	Compressor de Ar	1
13	Gerador	1
14	Distribuidor de asfalto	1
15	Betoneira de 3,5 a 4,5 m ³	4
16	Pavimentadora, 4m de largura	1
17	Central de mistura de asfalto 40 m ³ /hora	1

Nota: Documentos de apoio exigidos:

- Propriedade – fornecer prova de contrato de propriedade/compra
- Alugado/Leasing– fornecer prova de contrato de aluguer/leasing
- A idade do equipamento a utilizar, nos termos do contrato, não poderá ser superior a 7 anos. É necessária a comprovação da data de fabrico original do equipamento.
- A disponibilidade dos equipamentos no território de Timor-Leste será considerada como vantagem, evidenciando a capacidade do Concorrente para mobilizar recursos de forma célere, minimizando riscos associados à entrega.

O Concorrente deverá comprovar que possui os seguintes equipamentos:

Nº	Tipo de Equipamento	Quantidade
1	Escavadora 200HP	6
2	Rolo Tandem 6-8 ton	2
3	Rolo Pneumático 8-10 ton	1
3	Carregadora de rodas com capacidade de 1.8 m ³ , 160 HP	4
4	Dump Truck 6-8 m ³	6
5	Motoniveladora, 160 HP	2
6	Bulldozer 165-200 HP	1
7	Reservatório de água, 5000 litros	2
8	Rolo Vibratório, 10-12T	2
9	Instalação de britagem de pedra, 160-250 TPH	1
10	Instalação de Central de betão, entre 20-40 m ³ /hora	1
11	Aspersor de asfalto, - Largura da aspersão: 4-6 metros - Taxa da aspersão: 0.8-1.0 l/m ²	1
12	Compressor de Ar, - 750-1,200 CFM - 100-150 PSI - 300-500 litros	1
13	Gerador, 251 kVA, 200kW	1
14	Distribuidor de asfalto, 4000-6000 litros 6000-1200 litros 500L/minuto	1
15	Betoneira 3.5 a 4.5 m ³	4
16	Pavimentadora, 4 m de largura	1
17	Central de mistura de asfalto 40 m ³ /hora	1

Nota: Documentos de apoio exigidos:

- Propriedade – fornecer prova de contrato de propriedade/compra
- Alugado/Leasing– fornecer prova de contrato de aluguer/leasing
- A idade do equipamento a utilizar, nos termos do contrato, não poderá ser superior a 7 anos. É necessária a comprovação da data de fabrico original do equipamento.
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Hermingardo Albano Soares

Diretor-Executivo, Comissão Nacional de Aprovisionamento (CNA)

Appendix-1

SUMMARY OF BILL

NAME OF PROJECT : National Road, Maliana-Cailaco-Marobo Bridge (26 KM)

LOCATION OF PROJECT : Maliana - Cailaco, Bobonaro Municipal

SECTION NO.	DESCRIPTION	AMOUNT (USD)
100	GENERAL	
200	EARTHWORKS	
300	SUBBASE AND BASE COURSE	
400	SURFACE COURSES	
500	BRIDGE CONSTRUCTION	
600	DRAINAGE AND SLOPE PROTECTION STRUCTURES	
700	MISCELLANEOUS STRUCTURES	
800	BIO ENGINEERING	
C	OVERHEAD	
E	CONTIGENCIES	\$ 1,084,740.03
G	TOTAL CONSTRUCTION COST	

TOTAL CONSTRUCTION COST IN WORDS (US\$ _____

 _____)

Date: _____

BILL OF QUANTITY

NAME OF PROJECT : National Road, Maliana-Cailaco-Marobo Bridge (26 KM)

LOCATION OF PROJECT : Maliana - Cailaco, Bobonaro Municipal

PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US \$	AMOUNT US \$
100	GENERAL				
102.1.1	Mobilization Requirement for All Contract	Ls	1.00		
102.1.4	Demobilization of all contract	Ls	1.00		
104	Office and Accomodations for the Engineer	Ls	1.00		
105	Vehicles for the Engineer (2 units 4x4)	Ls	1.00		
106.1	Laboratory Testing Services	Ls	1.00		
106.2	Drilling, Including SPT and Report	Ls	1.00		
108	Traffic Management and Safety				
115(3)	Relocation of Existing Electric Utility Pole - MediumVoltage	Each	10.00		
	Sub Total Section 100				
200	EARTHWORKS				
201(1)	Clearing and grubbing	hectare	29.81		
202(1)	Removal of Structures and Obstructions	Lin.m	3413.59		
202(2)	Removal of Structure and Obstruction (specific)	Cu.m.	535.50		
203(1)a	Common excavation	Cu.m.	79918.90		
204(1)	Structure excavation	Cu.m.	6115.80		
204(3)a	Sand Layer	Cu.m.	282.39		
205(2)	Selected Embankment	Cu.m.	30716.09		
205(1)	Common Embakment (Borrow Excavation (DT 10 Ton)	Cu.m.	79918.90		
206(1)	Subgrade preparation (Common Material)	sq.m.	134516.17		
	Sub Total Section 200				
300	SUBBASE AND BASE COURSE				
303(1)	Aggregate Base Class A	Cu.m.	32680.17		
303(2)	Aggregate Base Class B	Cu.m.	53235.27		
	Sub Total Section 300				
400	SURFACE COURSES AND PAVEMENT				
402	Prime Coat	liter	156230.33		
403	Tack Coat	liter	2475.69		
411(5a)	Asphaltic Concrete – Wearing Course (AC-WC) 5 cm	sq.m.	4951.37		
411(6)a	Asphaltic Concrete – Binder Course (AC-BC) 6 cm	sq.m.	156230.33		
412(2)	PCC Pavement (Reinforced)	Cu.m.	601.46		
	Sub Total Section 400				
500	BRIDGE CONSTRUCTION				

BILL OF QUANTITY

NAME OF PROJECT : National Road, Maliana-Cailaco-Marobo Bridge (26 KM)

LOCATION OF PROJECT : Maliana - Cailaco, Bobonaro Municipal

PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US \$	AMOUNT US \$
501(a)	Bore Pile Dia 800.	l.m.	2304.00		
505	Reinforcing steel	kg	643581.70		
506(1)b	Structural concrete class "A" (30MPa) Pier, pier Head, Diaghfragma	Cu.m.	931.03		
506(1)f	Structural concrete class "A" (25MPa)	Cu.m.	2199.74		
506(2)	Structural Concrete, Class B (21 Mpa) Footing	Cu.m.	104.00		
506(6)b	Lean Concrete	Cu.m.	136.32		
507	Expansion Joint Seal Rubber Type 1 (Gap 21-41 mm)	Lin.M	110.59		
508	Bearing pad 350x350x40	Unit	16.00		
508(1)	Bearing pad 420x500x50	Unit	32.00		
508 (1)	Rubber Pad 200x200 T=2cm	Unit	86.00		
509	Anchor Bar	Kg	4483.11		
510	Pipe drainage 6"	Lin.M	218.30		
511	Deck Drain 6"	Unit	64.00		
Sub Total Section 500					
600	DRAINAGE AND SLOPE PROTECTION WORKS				
601(1)a	Reinforced concrete pipe culvert, 610mm diameter	l.m.	24.55		
601(1)a-1	Reinforced concrete pipe culvert, 2 x 610mm diameter	l.m.	9.10		
601(1)b	Reinforced concrete pipe culvert, 800mm diameter	l.m.	322.82		
601(1)d	Reinforced concrete pipe culvert, 1070mm diameter	l.m.	116.85		
601(2)	Reinforced concrete pipe culvert, 2 x 1070mm diameter	l.m.	8.90		
601(1)e	Reinforced concrete pipe culvert, 1200 mm diameter	l.m.	37.95		
601(2)a	Catch Basins 1 SM (1 Unit = 1.77 Cu.m)	Cu.m.	40.65		
601(2)c-1	Catch Basins 4 SM (1 Unit = 2.25 Cu.m)	Cu.m.	11.23		
601(2)l	Catch Basins 13 SM (1 Unit = 9.47 Cu.m)	Cu.m.	9.47		
603(5)m	Catch Basins 14 SM (1 Unit = 6.83 Cu.m)	Cu.m.	20.50		
606	Stone masonry	Cu.m.	15443.67		
606(1)	Blinding Stone	Cu.m.	252.58		
606(a)-1	Wing Wall RCP 2x600 - Type A (1 m = 3.15 Cu.m)	Cu.m.	12.58		
606(b)-1	Wing Wall RCP 800 = Type A (1m = 3.32 Cu.m)	Cu.m.	412.98		
606(b)	Wing Wall RCP 800 - Type B (1m = 3.46 Cu.m)	Cu.m.	42.17		
606(c)-1	Wing Wall RCP 1000 - Type A (1m = 3.38 Cu.m)	Cu.m.	152.57		
606(c)	Wing Wall RCP 1000 - Type B (1m = 3.84 Cu.m)	Cu.m.	49.89		
606(d)	Wing Wall RCP 2 x 1000 - Type B - (1m = 3.38 Cu.m)	Cu.m.	6.76		

BILL OF QUANTITY

NAME OF PROJECT : National Road, Maliana-Cailaco-Marobo Bridge (26 KM)

LOCATION OF PROJECT : Maliana - Cailaco, Bobonaro Municipal

PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US \$	AMOUNT US \$
606(e)	Wing Wall RCP 1200 - Type B (1m = 4.29 Cu.m)	Cu.m.	21.44		
606(f)	Head Wall RCP 600 (1 Unit = 5.51 Cu.m)	Cu.m.	44.11		
606(f)-1	Head Wall RCP 2 x 600 (1 Unit = 7.83 Cu.m)	Cu.m.	15.66		
606(g)	Head Wall RCP 800 (1 Unit = 5.95 Cu.m)	Cu.m.	410.53		
606(h)	Head Wall RCP 1000 (1 Unit = 6.33 Cu.m)	Cu.m.	145.64		
606(i)	Head Wall RCP 2 x 1000 (1 Unit = 11.87 Cu.m)	Cu.m.	23.74		
606(j)	Head Wall RCP 1200 (1 Unit = 7.26 Cu.m)	Cu.m.	36.32		
610	Gabions	Cu.m.	2295.54		
612(1)c	Side Ditch 60x60 Stone Masonry	Cu.m.	4224.71		
612(2)c	Side Ditch 80x80 Stone Masonry	Cu.m.	28903.28		
612(2)d	Concrete Cover for Side Ditch 80x80 Stone Masonry (Excluding Reinforcement)	Cu.m.	24.41		
612(3)c	Side Ditch 100x100 Stone Masonry	Cu.m.	3745.36		
612(3)d	Concrete Cover for Side Ditch 100x100 Stone Masonry (Excluding Reinforcement)	Cu.m.	1.12		
612(4)c	Side Ditch 120x120 Stone Masonry	Cu.m.	1691.61		
612(4)g	Side Ditch 200x150 Stone Masonry	Cu.m.	531.42		
613	PVC 4" (for Sidewalk)	Lin.m	1110.62		
613(1)	PVC 2" with Palm Fiber Layer	Lin.m	9454.54		
505	Reinforcing steel	kg	1418497.70		
506(1)b	Structural concrete class "A" (30MPa) (Retaining Wall)	Cu.m.	6565.40		
506(1)f	Structural concrete class "A" (25MPa) (Box Culvert)	Cu.m.	2116.62		
506(2)	Structural Concrete, Class B (21 Mpa) Footing	Cu.m.	1684.08		
506(6)b	Lean Concrete	Cu.m.	394.57		
506(6)c	Mortar	Cu.m.	1.47		
508 (1)	Rubber Pad 200x200 T=2cm (Approach Slab)	Unit	308.00		
509	Anchor Bar (Approach Slab)	Kg	677.60		
	Sub Total Section 600				
700	MISCELLANEOUS STRUCTURES				
701(1)	Concrete curb	l.m.	1443.04		
702(1)	Sidewalk (Paving Block)	sq.m.	1360.53		
702(2)	Road Access Type 1 (1 Unit Concrete = 1.38 Cu.m) Excluding Reinforcement	Cu.m	510.13		

BILL OF QUANTITY

NAME OF PROJECT : National Road, Maliana-Cailaco-Marobo Bridge (26 KM)

LOCATION OF PROJECT : Maliana - Cailaco, Bobonaro Municipal

PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US \$	AMOUNT US \$
702(3)	Road Access Type 2 (1 Unit Concrete = 1.38 Cu.m) Excluding Reinforcement, Stone Masonry, Aggregate A & Common Embankment	Cu.m	6.63		
505	Reinforcing steel (for Road Access)	kg	31646.10		
703(3)	Kilometer posts	each	24.00		
703(4)	Guide Posts	each	895.50		
704(3)	Metal Guardrail (Metal Beam)	l.m.	1745.00		
706(1)	Warning signs	each	146.00		
706(2)	Regulatory signs	each	20.00		
706(4)	Directional Warning Sign	each	70.00		
706(5)	Speed Limit Sign	each	44.00		
706(6)	Service Sign	each	36.00		
706(7)	Facility Sign	each	6.00		
707(1)	Pavement markings (reflective)	sq.m.	8289.24		
	Sub Total Section 700				
800	BIOENGINEERING				
801(2)	Grass slips production	Unit	16464.50		
808(2)	Maintenance and Aftercare	Ls	1.00		
805	Geotextile WG 15(100 KN/m) PET	sq.m.	2831.43		
	Sub Total Section 800				
	TOTAL				

OVERHEAD

NAME OF PROJECT : National Road, Maliana-Cailaco-Marobo Bridge (26 KM)

LOCATION OF PROJECT : Maliana - Cailaco, Bobonaro Municipal

PAY ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT RATE US \$	AMOUNT US \$
I	PROJECT TEAM				
1	Project Manager	Ls	1.00		
2	Site Manager	Ls	1.00		
3	Site Engineer	Ls	1.00		
4	Surveyor	Ls	1.00		
5	Logistics	Ls	1.00		
6	Administration	Ls	1.00		
7	Cleaning Staff	Ls	1.00		
8	Security	Ls	1.00		
II	OPERATIONAL COST				
1	Stationary	Ls	1.00		
2	Communication	Ls	1.00		
3	Electricity	Ls	1.00		
4	Water	Ls	1.00		
5	Daily, weekly, monthly reports	Ls	1.00		
6	Shop drawings, as built drawings	Ls	1.00		
7	Traffic Management and Safety	Ls	1.00		
III	SOCIAL COST				
1	Launch and Completion ceremony	Ls	1.00		
				TOTAL COST	



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Comissão Nacional de Aprovisionamento

CLARIFICATION NO.3

Date: 14 October 2025

**CONSTRUCTION OF NATIONAL ROAD, MALIANA-CAILACO-MAROBO BRIDGE
(26KM) BOBONARO MUNICIPALITY**

TENDER/105/MOP-2025

No.	Questions	Responses
1.	If there are differences between the BOQ, standard specifications, and drawings, which document should be considered the main reference and hierarchies?	Please read the Contract Agreement for Order of Priority of documents.
2.	Please inform us regarding the compensation or terms applicable in case of delayed payment from the Employer.	Please refer to P.C.C 14.8
3.	Please clarify which parties are authorized to approve the design, materials, progress and payment of the works.	MPW and A.D.N (National Development Agency)
4.	What types of permits or licenses fall under the responsibility of each Employer and Bidder?	Environmental License fall under the responsibility of the Employer. All other permits or licenses fall under the responsibility of bidder - A mineral license by the Autoridade Nacional dos Minerais (ANM) or Mineral Permit, Under the responsibility of Bidder/Company.
5.	Will there be any provisions for variation orders (additional or reduced works)? If yes, what is the allowable percentage or value limit?	Please read additional clause in P.C.C
6.	If there are changes in the design or specifications, can we request a cost adjustment? Please inform the detailed terms.	The contractor can request cost adjustment during the implementation which is subjected to the approval of MPW and A.D.N.
7.	Is there a funding scheme allocated per fiscal year? If so, please provide information on the annual budget allocation.	Please check the budget book on Ministry of Finance, Timor-Leste Website.
8.	Construction Experience in Key Activities: what is unit of measurement for Asphaltic Concrete wearing Binder Course (160,000) ?	Please refer to the Addendum no.2



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No.	Questions	Responses
9.	Construction Experience in Key Activities : for Asphaltic Concrete wearing Binder Course, is volume (160,000), the combined volume of Asphaltic Concrete Wearing Course and Asphaltic Concrete Binder Course ?	Please refer to the Addendum no.2
10.	Construction Experience in Key Activities : Bridge with Pile Construction, is Bore Pile Concrete including Pile construction experience?	Yes
11.	Equipment : What are the capacity requirements for each heavy equipment unit (Wheel Loader, Motor Grader, Water Tank, Vibratory Roller, Stone Crusher Plant, Conc. Batching plant, Asphalt Sprayer, Air Compressor, Generator Set, Asphalt Distributor) ? Can this be based on the calculation of equipment requirements in the unit price analysis?	Yes Using the Unit Price Analysis (Scope of Work, Productivity, Selecting Equipment), ensure alignment with the project's needs.
12.	Equipment : The tender document specifies a requirement for an Asphalt Mixing Plant (AMP) with a capacity of 40 m ³ /hour. However, our available AMP has a capacity of 80 tons/hour. Based on our calculation, the required asphalt tonnage and project duration can be met with the 80 tons/hour AMP. Would it be acceptable to use an AMP with a capacity of 80 tons/hour instead? If not, can we submit two AMPs to accommodate the required capacity?	If your AMP can meet the required asphalt tonnage and project schedule, you can present this as part of your technical proposal, emphasizing its efficiency and ability to deliver results without compromising the timeline.
13.	Equipment : Is it permitted/possible to carry out earthwork or other work using dump trucks at locations with a capacity of more than 10 tons?	Yes
14.	We would like to clarify whether a support letter from the equipment vendor can be accepted as a supporting document for key equipment availability.	Yes
15.	Personnel : For Safety Officer and Environmental Officer, Is it possible if we have a college degree is irrelevant education but has a proof of professional expertise that is appropriate / relevant with position requirement ?	The score will be given based on Qualification & Experience.
16.	What is compressive strength for Concrete Cover for Side Ditch 80x80 and 100x100 Stone Masonry?	The <u>compressive strength</u> requirement for concrete cover in side ditches and stone masonry depends on the project specifications or technical Specifications Provided.
17.	Can the excavated stone material be reused for other work materials if it meets the specifications?	



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No.	Questions	Responses
		Yes, excavated stone material can be reused for other work materials if it meets the required specifications. The Key consideration by Contractor: Obtain certification or approval from the project's quality control (Laboratory) team or supervising engineer and Cost Saving.
18.	In preparing the Environmental, Health and Safety Management Plan, may (is it receivable) the Bidder refers to her home country HSE regulations and her company standard, or refers to the international standard?	International Standard
19.	Is the environmental impact analysis document for this tender available? If yes, please provide to all bidders so that they can prepare the environmental aspect in EHSMP document completer and more realistic;	The bidder will prepare EHSMP based on the bidding documents ,technical requirement issued.
20.	Has the land acquisition process for this project been completed? If not yet completed, please provide the strip map which shows locations that have been aquisited, are in the process of being acquisited, and locations that have not been aquisited;	Not yet. During construction, the MPW team will be responsible for land acquisition and handing over the land to the contractor. For locations that do not affect the work, the employer will permit the contractor to proceed with the work.
21.	For local development statement, how if there is no local subcontractor nor vendor which comply with the contract requirements as well as the bidder (later the contractor) procurement procedure and standard;	Local Development Statement is the scoring criteria. Marks will be given based on the submission of Local Development Statement.
22.	When the Notice to Proceed is already issued by the Employer, but there are still disturbances for the bidder (later the contractor) to commence the works, will the Employer grant the Contractor with compensation (eg. extension of time of completion, general expenses, etc)	Implementation issues, Extension of Time will be discussed with MPW at that stage.
23.	Has the Employer determined the quarry location for the embankment and stone masonry material.? If yes, please clarify the deposit and specification of material, as well as the distance from the project location and the conditions of the access road;	Yes. Please refer to the bid documents (drawings and reports) provided by the employer. The condition of the access road can be assessed directly in the field during the site visit.
24.	Has the Employer determined the disposal area for the excavated and removed materials.? If yes, please clarify the fees/tax and permit to utilize the location, as well as the distance from the project location and the conditions of the access road;	Yes. This project has been approved for the Environmental License. During construction, the contractor can coordinate with the MPW supervision team and local



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No.	Questions	Responses
25.	Due to the large and complexity of this project, we would like to propose that the bid submission deadline can be extended for about three weeks up to November 20, 2025.	NO, the date of submission remains in the Bidding Document
26.	For the qualification document, shall it include in the technical or bid price document; please clarify	The qualification document should be included in Technical Bid
27.	Retention money and retention of quality guarantee are they the same or different matters.? If they are different, does it mean that the Employer will retain 10% of contract amount for those two matters.	Retention and Quality Guarantee are the same
28.	Is it receivable if the bidder (later the contractor) submits the maintenance (defect liability) security, then will the Employer pay the retention money to Contractor.?	Yes
29.	Please explain the Beneficiary (name and address of the Employer) where the Bid Security is to be sent?	Beneficiary Name: Ministry of Public Works Address: Rua. Restauração João Paulo-II, Rai Kotu. Comoro-Dili, Timor-Leste Bid Security will be submitted in Technical Bid
30.	Please explain the Beneficiary (name and address of the Employer) where the Credit Line is to be sent?	Line of Credit Certificate will be submitted in Technical Bid. Beneficiary is Ministry of Public Works
31.	What specific evidence or documents are required to verify the original manufacturing date of the equipment?	It is normally provided in purchase agreement or emboss as sticker by the manufacturer in the equipment.
32.	Availability of equipment within Timor-Leste will be considered an advantage, demonstrating the Bidder's ability to mobilize promptly and minimize delivery risks. What is the weight or monetary value assigned to this advantage, and could a higher-priced bidder potentially win the contract based on possessing this advantage?	The weight for this criterion is given in the EQC. This criterion is used during technical evaluation. We are not evaluating this criterion in terms of monetary value as added advantage.
33.	For the Excavator requirement (200 HP), is it permissible to offer a machine with a larger horsepower (HP) capacity?	Yes
34.	For the Tandem Roller (6 – 8 ton), is it acceptable to offer equipment with a capacity exceeding 8 tons?	Yes



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No.	Questions	Responses
35.	For the Tire Roller (8 to 10 Ton), may we offer equipment with a capacity greater than 10 tons?	Yes
36.	Regarding the Wheel Loader, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	1.8 cu.m, bucket capacity, 160 HP
37.	For the Dump Truck (6-8 cu.m), is it acceptable to offer equipment with a capacity exceeding 8 cubic meters?	Yes
38.	Regarding the Motor Grader, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	160 HP
39.	For the Bulldozer (165 – 200 HP), is it permissible to offer equipment with a horsepower (HP) capacity exceeding 200 HP?	Yes
40.	Regarding the Water Tank, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	5000 Liters
41.	Regarding the Vibratory Roller, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	10-12T
42.	Regarding the Stone Crusher Plant, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	160-250 TPH
43.	Regarding the Concrete Batching Plant, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	Ranging from 20 – 40 m ³ /hr. Equipment below the required capacity for this project will not be accepted during mobilization.
44.	Regarding the Asphalt Sprayer, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	- Recommended Tank Size: minimum from 5,000 liters. - Spray Width: Adjustable spray bar of 4–6 meters . - Spray Rate: Approx. 0.8–1.0 L/m² for standard asphalt applications.
45.	Regarding the Air Compressor, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	Recommended air compressor specifications are: - Air Delivery: 750–1,200 CFM. - Pressure Rating: 100–150 PSI. - Tank Size: 300–500+ liters (For Continuous Operations)
46.	Regarding the Generator Set, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	Minimum 251 kVA Generator Set. - Approx. 200 kW real power.
47.	Regarding the Asphalt Distributor, what are the minimum/required capacity specifications for this equipment, and is there flexibility to offer any capacity?	Minimum requirement: 4000 – 6000 liters. Standard: 6000-12000 litres. Recommendation: 500 L/minute.



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No.	Questions	Responses
48.	For the Transit Mixer (3.5 to 4.5 cubic meters), is it acceptable to offer equipment with a capacity exceeding 4.5 cubic meters?	Yes
49.	For the Asphalt Paver/Finisher (4.0m width), is it permissible to offer equipment with a paving width greater than 4.0 meters?	Yes
50.	For the Asphalt Mixing Plant (40 cu.m/hour), is it acceptable to offer equipment with a capacity greater than 40 cubic meters per hour?	Yes
51.	If the capacity of the Asphalt Mixing Plant is stated in tons per hour, what is the required conversion factor or method to express it in cubic meters per hour?	Express in both units.
52.	Should the equipment ownership attachment be included? And does it need to be translated into English?	Yes
53.	If must be translate, can Bid Submission Deadline change into November 13, 2025?	No
54.	For the required Key Activities (Stone Masonry/Gabion: 18,000 M ³ , Excavation/Embankment: 195,000.00 M ³ , Aggregate Base/Subbase: 85,000.00 M ³ , Bridge with Pile Construction, and Asphaltic Concrete wearing/Binder Course: 160,000.00), must the minimum required quantities/scope have been completed under a single contract, or can Stone Masonry/Gabion: 18,000 M ³ under a single contract, Excavation/Embankment: 195,000.00 M ³ , under a single contract, etc?	All Required Key Activities must be in One Single Contract.


Hermingardo Albano Soares
Executive Director of NPC