



## DELIBERASAUN N. 39/III/CAFI/2025

Conselho de Administração do Fundo das Infraestruturas – CAFI, bazeia ba artigo 10º (1) e (3) DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 18 de Maio, realiza reuniaun ordinária iha loron Sexta-feira, 28 de Março de 2025, e halo deliberasaun ba assunto tuir mai ne'e:

**Asuntu:** Pedidu aprovasaun no autorizasaun despezas no konfirma finansiamentu iha FI 2025 ba Projetu *Rehabilitation of RAEROBO Existing Building*.

**Proponente:** Ministério do Interior – MI;

**Notas/justifikasaun:**

- SGP simu karta husi Ministério do Interior ho no. Ref.: 225/DNA-DGAF/MI/III/2025, data 27 de Março de 2025, ho asuntu: Agenda CAFI
- Bazeia ba assuntu iha leten, husi Diresaun Nasional Aprovisionamento Ministerio do Interior hato'o ba Ex<sup>mo</sup> Secretariado Grandes Projeto (SGP) hodi Agenda CAFI ba projeto MI ne'ebe maka orçamentada iha fundus Infraestrutura (FI) no projeto ne'ebe hetan ona verifikasiada ADN, I.P.;
- SGP simu karta husi Ministério do Interior ho no. Ref.: 220/DNA-DGAF/MI/III/2025, data 27 de Março de 2025, ho asuntu: hato'o Justifikasi tekniku no legal ba projetu Rehabilitation of RAEROBO Existing Building;
- Desizaun kona ba abertura ka inisiasiun prosesu aprovisionamento bazeia, Artigo 24 & 25, Decreto Lei No.43/2024, de 20 de Dezembro, regra ezekusaun OGE 2025;
- Bazeia ba Artigo 21, DL No.13/2016, de 18 de maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projetu FI nian sei lao tuir Regime Juridiku Aprovizionamento em vigor. Modalidade aprovisionamento bazeia ba kustu projetu no sei lao tuir Decreto-Lei No.22/2022 de 11 de Maio;
- Dono do projetu sei assume responsabilidade hodi assegura orsamentu ba Ezekusan no Implementasaun projetu;
- Projetu nain konfirma katak sei assume responsabilidade ba monitorizasaun e akompanhamentu ba ezekusaun projetu ne'e no sei garante kualidade servisu nian tuir padraun no espesifikasiada ne'ebe aprova ona
- Lista proposta:

N

Sone

J. M



**IX GOVERNO CONSTITUCIONAL**  
**MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO**  
**FUNDO DAS INFRAESTRUTURAS**



Conselho de  
Administração

Naran projetu	Kustu estimativa ADN, I.P. / Referensia proposta	Alokasaun FI 2025 no Kodigo atividade
<i>Rehabilitation of RAEROBO Existing Building</i>	\$ 250,484.96	FI 2025: \$ 0 Kodigu Atividade: 366132Q

**Rekomendasaun:**

- 1) CAFI atu aprova no autoriza despezas no kustu total nune'e mos konfirma finansiamantu iha FI 2025 bazeia ba pedidu husi Ministério Interior ba projetu *Rehabilitation of RAEROBO Existing Building*, ne'ebe hetan ona Verifikasiadu husi ADN, I.P. ho montante verifikasiadu\$ 250,484.96;
- 2) Desizaun kona ba abertura ka inisiasaun prosesu aprovisionamentu bazeia, Artigo 24 & 25, Decreto Lei No.43/2024, de 20 de Dezembro, regra ezekusaun OGE 2025;
- 3) Bazeia ba Artigo 21, DL No.13/2016, de 18 de maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projetu FI nian sei lao tuir Regime Juridiku Aprovizionamento em vigor. Modalidade aprovisionamento bazeia ba kustu projetu no sei lao tuir Decreto-Lei No.22/2022 de 11 de Maio;
- 4) Decreto-Lei No.22/2022 de 11 de Maio, o regime jurídico do aprovisionamento, dos contratos públicos e das respectivas infracções; artigo 42º Regras Espesiais, desizaun kona ba modalidade aprovisionamento determina bazeia ba kustu projetu no justifikasaun tekniku no legal husi MI hanesan entidade adjudikante;
- 5) Dono do projetu sei assume responsabilidade hodi assegura orsamentu ba Ezekusan no Implementasaun projetu;
- 6) Projeto nain sei assume responsabilidade ba koordenasaun entre entidade relevantes ba implementasaun projeto ne'e, e ba supervizaun, monitorizasaun e akompanhamentu ba projeto ne'e iha faze implementasaun, e sei garante kualidade servisu nian tuir espesifikasiadu ne'ebe aprova ona;

**Desizaun:**

1. CAFI aprova no autoriza despezas no kustu total nune'e mos konfirma finansiamantu iha FI 2025 bazeia ba pedidu husi Ministério Interior nudar projetu nain;
2. Desizaun kona ba abertura ka inisiasaun prosesu aprovisionamentu bazeia, Artigo 24 & 25, Decreto Lei No.43/2024, de 20 de Dezembro, regra ezekusaun OGE 2025;
3. Bazeia ba Artigo 21, DL No.13/2016, de 18 de maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projetu FI nian sei lao tuir Regime Juridiku

DELIBERASAUN N.º39/III/CAFI/2025

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IX GOVERNO CONSTITUCIONAL  
MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO  
FUNDO DAS INFRAESTRUTURAS



Conselho de  
Administração

Aprovizionamento em vigor. Modalidade aprovisionamento bazeia ba kustu projetu no sei lao tuir Decreto-Lei No.22/2022 de 11 de Maio;

4. Decreto-Lei No.22/2022 de 11 de Maio, o regime jurídico do aprovisionamento, dos contratos públicos e das respectivas infracções; artigo 42º Regras Espesiais, desizaun kona ba modalidade aprovisionamentu determina bazeia ba kustu projetu no justifikasaun tekniku no legal husi MI hanesan entidade adjudikante;
5. Dono do projetu sei assume responsabilidade hodi assegura orsamentu ba Ezekusan no Implementasaun projetu;
6. Projetu nain sei assume responsabilidade ba koordenaun entre entidade relevantes ba implementasaun projetu ne'e, e ba supervizaun, monitorizasaun e akompanhamentu ba projetu ne'e iha faze implementasaun, e sei garante kualidade servisu nian tuir espesifikasiada ne'ebe aprova ona;
7. Lista Aprovasaun:

Naran projetu	Kustu estimativa ADN, I.P. / Referensia proposta	Alokasaun FI 2025 no Kodigo atividade	Orgaun Kompetenti Autoriza despezas – DL no. 23/2022, 19 de maio
<i>Rehabilitation of RAEROBO Existing Building</i>	\$ 250,484.96	FI 2025: \$ 0 Kodigu Atividade: 366132Q	CAFI : Konfirmasaun Finansiamentu  CAFI: alinea 1 (b) Artigo Artigo 5.º Competência para a autorização da despesa.

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IX GOVERNO CONSTITUCIONAL  
MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO  
FUNDO DAS INFRAESTRUTURAS



Conselho de  
Administração

Aprovado husi CAFI iha loron 28 de marsu de 2025.

O Conselho de Administração do Fundo das Infraestruturas

O presidente,



Gastão Francisco de Sousa

Ministro do Planeamento e Investimento Estratégico



Santina José Rodrigues Ferreira Viegas Cardoso

Ministra das Finanças



Miguel Marques Gonçalves Manetelu

Ministro dos Transportes e Comunicações



Samuel Marçal P

Ministro das Obras Públicas

DELIBERAÇAUN N.º39/III/CAFI/2025

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IX GOVERNO CONSTITUCIONAL  
MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO  
FUNDO DAS INFRAESTRUTURAS



Conselho de  
Administração

**Annexo:**

(7)



**MINISTÉRIO DO INTERIOR**  
**DIREÇÃO-GERAL DE ADMINISTRAÇÃO E FINANÇAS**  
**DIREÇÃO NACIONAL DE APROVISIONAMENTO**



Data/ Date:  
27 fulan Marsu tinan 2025

Nú, Oficio: 220 /DNA-DGAF/MI/III/2025

Para/ To :  
**Exmo. Dirétor Secretariado dos Grandes Projectos (SGP)**  
Sr.Mauricio Borges

Assunto : **Hato'o Justifikasiun Tekniko**  
*Rehabilitation of Raerobo Existente Building*

Ho Respeito,

Baseia ba assunto iha leten, Diretór DNA-MI hakarak relata ba exmo. Dirétor Secretariado dos Grandes Projectos (SGP) kona ba Justifikasiun Tekniko ba Projetu, Rehabilitation of Raerobo Existente Building, hetan ona verifikasiun Final husi ADN ho Total Orsamentu ba Projeto ho montante maka hanesan tuir mai :

1. Rehabilitation of Raerobo Existente Building ho Orsamento \$.250,484.96  
Dollar Americano (Resultadu Verifikasiun ADN)

#### I. Informasaun Jerál

Rehabilitation of Raerobo Existente Building, importante tanba envolve objetivu prinsipál balun

Primeiru, Rehabilitation of Raerobo Existente Building ho objetivu atu dezenvolve infrastrutura Rehabilitation of Raerobo Existente Building Sentru Formasaun Rairobo (CFP) PNTL nian hodi bele kria kondisoens ne'ebe digno ba utilizadores sira hanesan PNTL atu responde ba prosesu rekrutamento PNTL nian iha tempu badak ho nune presija tebes atu aselera prosesu tomak hodi bele responde ba ejijenia nesidade.

Segundu, Rehabilitation of Raerobo Existente Building objetivu atu hadi'a servisu no fasiliidade sira ba utilizadór servisu nian, Ho infraestrutura modernu no konfortavel.

#### A. Justifikasiun Teknika :

Rehabilitation of Raerobo Existente Building

- |                             |  |
|-----------------------------|--|
| 1. Título Projetu           | : Rehabilitation of Raerobo Existente Building |
| Kategoria                   | : Projetu Foun                                 |
| Tinan Civil                 | : 2025   |
| Total osan Verifikasiun BoQ | : \$.250,484.96 (Resultadu Verifikasiun ADN)   |

## B. Justifikasiun Legal :

- 1) Konformidade legal ba rehabilitasau Prosesu lisensiamentu no aprovasaun hotu-hotu hala'o ona tuir provizaun legál aplikavel sira hanesan Deseñu no Estimasaun Presu hetan ona verifikasiun Final husi ADN

### a) Ajudikasaun Direto Artigo 42º

Entidade adjudikante bele adota hanesan presedimentu aprovisionamentu solisitaun quotasaun sira no ajustu direto iha alinea a no b husi artigo 42 Rejime Juridiku Aprovisionamentu.

- Razaun utilizasaun prosedementu aprovisionamentu ba Ajudikasaun Direto

Hanesan mensiona iha Artigu 42º kona ba Ajusto Direto Ministerio Interior propoin atu uza Ajusto Direto nudar presedimentu aprovisionamentu ba projetu infraestruturaia Posto Raerobo ho nia razaun prinsipál mak hanesan tuir mai ne'e :

- (1) Uza Prosedementu Ajusto Direto sei permite atu hetan proposta ida husi kontraktor nebe konsidera projecto iha Posto Raerobo ho nia nesesidade uniku sira.
- (2) Prosedementu Ajusto Direto permite atu hili kontraktor nebe iha vizaun no solusaun nebe diak liu atu responde ba nesesidade agencia ho lalais.

## II. Recomendasaun ba CAFI

Ministerio Interior propoin ba CAFI hodi konsidera no aprova ba proposta :

- 1) Autorizasaun despeza ba Projetu Infraestrutura iha Posto Raerobo ne'ebé nia Deseñu no BoQ hetan ona verifikasiun Final husi ADN
- 2) Utilizasaun ba prosedimentu aprovisionamentu halao iha CNA ho modalidade Ajudikasaun Direto baseia ba artigu 42º tuir Decretu-Lei No.22 tinan 2022 de 11 de Maio 2022 kona ba Rezime Juridico do Aprovisionamentu, dos Contratos Publicos a das Respetivas infraçõens.

Mak ne'e deit ami nia justifikasiun técnico no legal nebe ami relata ba exmo.Director Dirétor Secretariado dos Grandes Projectos (SGP) e lahaluhan hato'o Melhores Comprimentos.





AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR  
PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING  
LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

### SUMMARY

NO	DESCRIPTION	VERIFIED BY OWNER AMOUNT	VERIFIED BY A D N AMOUNT
A	PREPARATION	\$ 3.275,00	\$ 1.786,68
B	DORMITORY 1	\$ 17.468,85	\$ 19.081,93
C	DORMITORY 2	\$ 25.533,17	\$ 26.550,63
D	DORMITORY 3	\$ 22.679,15	\$ 24.385,88
E	CLASS ROOM/INSTRUTOR 4	\$ 16.132,06	\$ 18.738,98
F	CLASS ROOM	\$ 17.062,81	\$ 16.553,93
G	REHABILITATION COMANDERS VIP	\$ 10.564,59	\$ 10.427,54
H	REHABILITATION OF KICHEN	\$ 27.696,43	\$ 34.320,15
I	REHABILITATION TOILET 1	\$ 2.461,20	\$ 3.243,24
J	REHABILITATION TOILET 2	\$ 1.837,38	\$ 3.037,36
K	REHABILITATION TOILET 3	\$ 7.765,35	\$ 9.096,86
L	LANDSCAPE (FENCES & ACCESS ROAD)	\$ 28.275,72	\$ 34.455,57
<b>1</b>	<b>TOTAL (A to L)</b>	<b>\$ 180.751,72</b>	<b>\$ 201.678,74</b>
2	CONTRACTOR FEE (10% x 1)	\$ 18.075,17	\$ 20.167,87
3	OTHERHEAD	\$ 2.304,00	\$ 3.559,00
	TAX (2% X (1+2+3))	\$ 4.022,62	
4	CONTIGENCY (10% x 1)	\$ 18.075,17	\$ 20.167,87
5	TAX (2% X (1+2+3+4))		\$ 4.911,47
<b>6</b>	<b>GRAND TOTAL (1+2+3+4+5)</b>	<b>\$ 223.228,68</b>	<b>\$ 250.484,96</b>

Verified By :

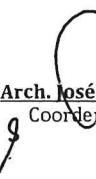
  
**Eng. Angelita M. de J. Cardoso**  
Civil Engineer UAP - ADN.I.P

  
**Eng. Angelica da Costa**  
Electrical Engineer UAP - ADN.I.P

Checked By :

  
**Eng. Johannes Hornay**  
Chefe Departamento do EPMETIC. UAP - ADN.IP

Certified By :

  
**Arch. José Fernando Liu Soares**  
Coordenador UAP - ADN.IP



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

NO.	DESCRIPTION	OVERHEAD							
		VERIFIED BY OWNER				VERIFIED BY A D N			
		UNIT	QTY	UNIT PRICE	AMOUNT	UNIT	QTY	UNIT PRICE	AMOUNT
1	Contractor site engineering	Month	4,00	\$ 500,00	\$ 2.000,00	Month	4,00	\$ 500,00	\$ 2.000,00
2	Safety equipment and first AID equipment	Unit	1,00	\$ 250,00	\$ 250,00	Unit	1,00	\$ 250,00	\$ 250,00
3	Material sampling and testing	Sheet	1,00	\$ 300,00	\$ 300,00	Unit	9,00	\$ 51,00	\$ 459,00
4	Project report and documentation	Month	4,00	\$ 150,00	\$ 600,00	Ls	1,00	\$ 150,00	\$ 150,00
5	Contractor site security 1 person	Month	4,00	\$ 120,00	\$ 480,00	Ls	1,00	\$ 600,00	\$ 600,00
6	As build drawing	Sheet	1,00	\$ 250,00	\$ 250,00	Sheet	1,00	\$ 100,00	\$ 100,00
				SUB TOTAL	\$ 3.880,00				\$ 3.559,00



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY A.D.N			
		Unit	Qty	Up	Amount	Unit	Qty	Unit Price	Amount
<b>I PREPARATION</b>									
1	Mobilization and demoliblition works	Ls	1,00	\$ 2.000,00	\$ 2.000,00	Ls	1,00	\$ 1.000,00	\$ 1.000,00
2	Site office, Electricity & Water	Ls	1,00	\$ 500,00	\$ 500,00	Ls	1,00	\$ 250,00	\$ 250,00
	Metode & responsavel:								
	Material tau iha area protejido no seguru								
	Halo site office								
3	Clearing during the construction - end of contact	Ls	1,00	\$ 500,00	\$ 500,00	Ls	1,00	\$ 250,00	\$ 250,00
	Metode & responsavel:								
	Area konstrusaun tenke mos no seguru, husi implementasaun to entrega servisu								
4	Project signboard	Ls	1,00	\$ 75,00	\$ 75,00	Ls	1,00	\$ 86,68	\$ 86,68
5	Water & electrical for works	Ls	1,00	\$ 200,00	\$ 200,00	Ls	1,00	\$ 200,00	\$ 200,00
				<b>Sub Total</b>	<b>\$ 3.275,00</b>				<b>\$ 1.786,68</b>
<b>II DORMITORY 1</b>									
<b>A STRUCTURE DEMOLISH &amp; PAINTING REMOVAL</b>									
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	161,14	\$ 1,40	\$ 225,60	M <sup>2</sup>	161,14	\$ 1,70	\$ 273,94
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	590,39	\$ 1,40	\$ 826,55	M <sup>2</sup>	590,39	\$ 1,70	\$ 1.003,67
3	Demolish, zinc roofing	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78
4	Demolish, plafond and frame	M <sup>2</sup>	233,90	\$ 0,63	\$ 147,35	M <sup>2</sup>	233,90	\$ 1,76	\$ 411,66
5	Wall repairing (pengikisan/pengecoran beton lapuk dan plesteran lapuk)	M <sup>2</sup>	5,00	\$ 5,05	\$ 25,25	M <sup>2</sup>	5,00	\$ 5,85	\$ 29,25
				<b>Sub Total</b>	<b>\$ 1.368,54</b>				<b>\$ 1.862,30</b>
<b>B REINSTAL STRUCTURE &amp; ROOF</b>									
1	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	326,78	\$ 7,80	\$ 2.548,89	M <sup>2</sup>	326,78	\$ 8,53	\$ 2.787,44
2	Ridge capping 550mm girth (bubungan, tebal 0.42 mm)	M'	26,46	\$ 13,90	\$ 367,84	M'	26,46	\$ 15,07	\$ 398,75
3	Porlin timber 3x2.5cm girth (Seng plat bagian samping, tebal 0.42 mm)	M'	128,20	\$ 13,90	\$ 1.782,19	M'	128,20	\$ 15,07	\$ 1.931,97
				<b>Sub Total</b>	<b>\$ 4.698,92</b>				<b>\$ 5.118,17</b>
<b>C CEILING WORK</b>									
1	PVC 9mm(Indonesian standard, best quality) white Frame 40x40 (Indonesian standard -, best quality) Bj= 0,40 Kg/m	M <sup>2</sup>	233,90	\$ 16,08	\$ 3.761,03	M <sup>2</sup>	233,90	\$ 13,75	\$ 3.216,06
2	List PVC (Indonesian standard, best quality)	M	277,70	\$ 1,63	\$ 452,65	M	277,70	\$ 3,21	\$ 891,42
				<b>Sub total</b>	<b>\$ 4.213,68</b>				<b>\$ 4.107,47</b>
<b>D PAINTING</b>									
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M <sup>2</sup>	161,14	\$ 1,58	\$ 254,61	M <sup>2</sup>	161,14	\$ 1,70	\$ 273,94
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M <sup>2</sup>	590,39	\$ 1,58	\$ 932,82	M <sup>2</sup>	590,39	\$ 1,70	\$ 1.003,67
				<b>Sub total</b>	<b>\$ 1.187,43</b>				<b>\$ 1.277,61</b>
<b>E PAINTING DOOR &amp; WINDOW (Accessories Mantanence)</b>									
1	Door - D1	M <sup>2</sup>	35,73	\$ 3,51	\$ 125,41	M <sup>2</sup>	35,73	\$ 4,37	\$ 156,13
2	Window-W1,	M <sup>2</sup>	16,46	\$ 3,51	\$ 57,77	M <sup>2</sup>	16,46	\$ 4,37	\$ 71,93
3	Ventilation-V1	M <sup>2</sup>	1,61	\$ 3,51	\$ 5,66	M <sup>2</sup>	1,61	\$ 4,37	\$ 7,05
4	Door handle (stainless), relevant on the site	M <sup>2</sup>	20,00	\$ 26,81	\$ 536,20	M <sup>2</sup>	20,00	\$ 26,81	\$ 536,20
5	Chance the current and windows glaas	M <sup>2</sup>	3,00	\$ 18,93	\$ 56,79	M <sup>2</sup>	3,00	\$ 18,93	\$ 56,79
				<b>Sub total</b>	<b>\$ 781,83</b>				<b>\$ 828,10</b>
<b>F SANITARY WORK (SUPPLY &amp; INSTAL)</b>									
1	Kloset, TOTO (duduk)	Unit	2,00	\$ 232,46	\$ 464,92	Unit	2,00	\$ 308,16	\$ 616,32
2	Wastafel, TOTO (Tipe: L237, berdiri, it's accessories)	Unit	2,00	\$ 180,96	\$ 361,92	Unit	2,00	\$ 111,96	\$ 223,92
3	Faucet (new) with pull down sprayer, references: confirmation with the Owner	Unit	2,00	\$ 26,48	\$ 52,96	Unit	2,00	\$ 17,25	\$ 34,50
				<b>Sub total</b>	<b>\$ 879,80</b>				<b>\$ 874,74</b>
<b>G ELECTRICAL WORK</b>									
1	Supply & installation:								
	Connection Panel	Unit	2,00	\$ 30,00	\$ 60,00	Unit	2,00	\$ 25,00	\$ 50,00
	DB Panel wall box 600 x 400 x 250 galvanised	Unit	2,00	\$ 72,50	\$ 145,00	Unit	2,00	\$ 97,48	\$ 194,96
	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu florescent 1 x 36W)	Unit	14,00	\$ 41,50	\$ 581,00	Unit	14,00	\$ 20,13	\$ 281,82
	Down Light Lamp Philips LED 30 watt	Unit	26,00	\$ 15,50	\$ 403,00	Unit	26,00	\$ 12,25	\$ 318,50
	T dus	Unit	5,00	\$ 3,00	\$ 15,00	Unit	5,00	\$ 2,00	\$ 10,00
	Single Switch	Unit	12,00	\$ 5,00	\$ 60,00	Unit	12,00	\$ 5,15	\$ 61,80
	Switch Duplo	Unit	2,00	\$ 5,00	\$ 10,00	Unit	2,00	\$ 5,67	\$ 11,34
	Series Switch	Unit	2,00	\$ 4,50	\$ 9,00	Unit	2,00	\$ 9,61	\$ 19,22
	Heater Water30 Ltr	Unit	1,00	\$ 270,00	\$ 270,00	Unit	1,00	\$ 270,00	\$ 270,00
	Lamp Philips 19 watt	Unit	6,00	\$ 8,25	\$ 49,50	Unit	6,00	\$ 11,73	\$ 70,38
	Fun Orbit Ceiling 80 Watt	Unit	13,00	\$ 75,00	\$ 975,00	Unit	13,00	\$ 75,00	\$ 975,00
	Socket existing Point 200 W	Unit	12,00	\$ 4,50	\$ 54,00	Unit	12,00	\$ 5,67	\$ 68,04
	New socket Point 200 W	Unit	5,00	\$ 1,75	\$ 8,75	Unit	5,00	\$ 1,75	\$ 8,75
	Lamp halogen sorot	Unit	4,00	\$ 150,00	\$ 600,00	Unit	4,00	\$ 130,90	\$ 523,60



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY A.D.N			
		Unit	Qty	Unit	Amount	Unit	Qty	Unit Price	Amount
	New Sockt AC 1000 W	Unit	2,00	\$ 10,50	\$ 21,00	Unit	2,00	\$ 10,50	\$ 21,00
	Exhaust fan 60 W	Unit	2,00	\$ 45,50	\$ 91,00	Unit	2,00	\$ 42,18	\$ 84,36
	Switch Sensor Body For Exhaust	Unit	2,00	\$ 3,50	\$ 7,00	Unit	2,00	\$ 3,50	\$ 7,00
	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality)	M'	286,80	\$ 1,75	\$ 501,90	M'	286,80	\$ 3,98	\$ 1.141,46
	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality)	M'	214,50	\$ 1,00	\$ 214,50	M'	214,50	\$ 3,60	\$ 772,63
	Pipe AV for installation electric (Pipe listrik 1/2" atau sejenisnya dengan Site)	M'	30,00	\$ 2,25	\$ 67,50	M'	30,00	\$ 1,06	\$ 31,80
	MCB 20A	Unit	1,00	\$ 34,00	\$ 34,00	Unit	1,00	\$ 27,48	\$ 27,48
	RCD 16A	Unit	1,00	\$ 66,50	\$ 66,50	Unit	1,00	\$ 32,00	\$ 32,00
	MCB 20A	Unit	1,00	\$ 30,00	\$ 30,00	Unit	1,00	\$ 9,63	\$ 9,63
	MCB 50A	Unit	1,00	\$ 65,00	\$ 65,00	Unit	1,00	\$ 22,76	\$ 22,76
					Sub total	\$ 4.338,65			\$ 5.013,53
	sub total					\$ 17.468,85			\$ 19.081,93
III	DORMITORY 2								
A	STRUCTURE DEMOLISH & PAINTING REMOVAL								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	161,14	\$ 1,40	\$ 225,60	M <sup>2</sup>	161,14	\$ 1,70	\$ 273,94
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	590,39	\$ 1,40	\$ 826,55	M <sup>2</sup>	590,39	\$ 1,70	\$ 1.003,67
3	Demolish, truss & zinc roofing	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78
4	Demolish, plafond and frame	M <sup>2</sup>	233,90	\$ 0,63	\$ 147,35	M <sup>2</sup>	233,90	\$ 1,76	\$ 411,66
5	Wall repairing (pengikisan/pengecoran beton lapuk dan plesteran lapuk)	M <sup>2</sup>	10,00	\$ 5,05	\$ 50,50	M <sup>2</sup>	10,00	\$ 5,85	\$ 58,50
					Sub total	\$ 1.393,79			\$ 1.891,55
B	REINSTAL STRUCTURE & ROOF								
1	Roofing - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	364,88	\$ 7,80	\$ 2.846,06	M <sup>2</sup>	364,88	\$ 8,53	\$ 3.112,43
2	Ridge capping 550mm girth (bubungan)	M'	233,90	\$ 13,90	\$ 3.251,52	M'	233,90	\$ 15,07	\$ 3.524,80
3	Porlin timber 3x2.5cm girth ( Seng plat bagian samping, tebal 0.42 mm)	M'	277,70	\$ 13,90	\$ 3.860,48	M'	277,70	\$ 15,07	\$ 4.184,94
					Sub total	\$ 9.958,07			\$ 10.822,16
c	CEILING WORK								
1	Frame 40x40, t=0.3 mm (Indonesian standard -, best quality) Bj= 0.40 Kg/m	Kg	364,88	\$ 16,08	\$ 5.867,27	Kg	364,88	\$ 2,36	\$ 861,12
2	PVC 9mm(Indonesian standard, best quality)	M <sup>2</sup>	233,90	\$ 1,63	\$ 381,25	M <sup>2</sup>	233,90	\$ 13,75	\$ 3.216,06
3	List PVC (Indonesian standard, best quality)	M'	277,70	\$ 1,63	\$ 452,65	M'	277,70	\$ 3,21	\$ 891,42
					Sub total	\$ 6.701,17			\$ 4.968,59
D	PAINTING								
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior +plamir	M2	161,14	1,58	\$ 254,61	M2	161,14	\$ 1,70	\$ 273,94
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior +plamir	M2	590,39	1,58	\$ 932,82	M2	590,39	\$ 1,70	\$ 1.003,67
					Sub total	\$ 1.187,43			\$ 1.277,61
E	PAINTING DOOR & WINDOW ( Accessories Mantanance)								
1	Door - D1	M <sup>2</sup>	35,73	\$ 3,51	\$ 125,41	M <sup>2</sup>	35,73	\$ 4,37	\$ 156,13
2	Window-W1,	M <sup>2</sup>	16,46	\$ 3,51	\$ 57,77	M <sup>2</sup>	16,46	\$ 4,37	\$ 71,93
3	Ventilation-V1	M <sup>2</sup>	1,61	\$ 3,51	\$ 5,66	M <sup>2</sup>	1,61	\$ 4,37	\$ 7,05
4	Door handle (stainless), relevant on the site	Unit	20,00	\$ 26,81	\$ 536,20	Unit	20,00	\$ 26,81	\$ 536,20
6	Change the current and windows glaas	Unit	4,00	\$ 18,93	\$ 75,72	Unit	4,00	\$ 18,93	\$ 75,72
					Sub total	\$ 800,76			\$ 847,03
F	SANITARY WORK (SUPPLY & INSTAL)								
1	Kloset, TOTO (duduk)	Unit	2,00	\$ 232,46	\$ 464,92	Unit	2,00	\$ 308,16	\$ 616,32
2	Wastafel, TOTO (Tipe: L237, berdiri, it's accessories)	Unit	2,00	\$ 180,96	\$ 361,92	Unit	2,00	\$ 111,96	\$ 223,92
3	Faucet (new) with pull down sprayer, references: confirmation with the Owner	Unit	2,00	\$ 26,48	\$ 52,96	Unit	2,00	\$ 17,25	\$ 34,50
					Sub total	\$ 879,80			\$ 874,74
G	ELECTRICAL WORK								
1	Supply & installation:								
	Connection Panel	Unit	2,00	\$ 30,00	\$ 60,00	Unit	2,00	\$ 25,00	\$ 50,00
	DB Panel wall box 600 x 400 x 250 galvanesed	Unit	20,00	\$ 72,50	\$ 1.450,00	Unit	20,00	\$ 97,48	\$ 1.949,60
	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu florescent 1 x 36W )	Unit	12,00	\$ 41,50	\$ 498,00	Unit	12,00	\$ 20,13	\$ 241,56
	Down Light Lamp Philips LED 30 watt	Unit	4,00	\$ 15,50	\$ 62,00	Unit	4,00	\$ 12,25	\$ 49,00
	T dus	Unit	5,00	\$ 3,00	\$ 15,00	Unit	5,00	\$ 2,00	\$ 10,00
	Single Switch	Unit	12,00	\$ 5,00	\$ 60,00	Unit	12,00	\$ 5,15	\$ 61,80
	Switch Duplo	Unit	2,00	\$ 5,00	\$ 10,00	Unit	2,00	\$ 5,67	\$ 11,34
	Series Switch	Unit	2,00	\$ 4,50	\$ 9,00	Unit	2,00	\$ 9,61	\$ 19,22
	Lamp Philips 19 watt	Unit	6,00	\$ 8,25	\$ 49,50	Unit	6,00	\$ 11,73	\$ 70,38
	Fun Orbit Ceiling 80 Watt	Unit	13,00	\$ 75,00	\$ 975,00	Unit	13,00	\$ 75,00	\$ 975,00



AGÊNCIA DE DESENVOLVIMENTO NACIONAL - I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY A.D.N			
		Unit	Qty	Up	Amount	Unit	Qty	Unit Price	Amount
	Socket existing Point 200 W	Unit	2,00	\$ 4,50	\$ 9,00	Unit	2,00	\$ 5,67	\$ 11,34
	New sckt Point 200 W	Unit	5,00	\$ 1,75	\$ 8,75	Unit	5,00	\$ 1,75	\$ 8,75
	Lamp halogen sorot	Unit	2,00	\$ 150,00	\$ 300,00	Unit	2,00	\$ 130,90	\$ 261,80
	New Sockt AC 1000 W	Unit	2,00	\$ 10,50	\$ 21,00	Unit	2,00	\$ 10,50	\$ 21,00
	Exhaust fun 60 W	Unit	2,00	\$ 45,50	\$ 91,00	Unit	2,00	\$ 42,18	\$ 84,36
	Switch Sensor Body For Exhaust	Unit	2,00	\$ 3,50	\$ 7,00	Unit	2,00	\$ 3,50	\$ 7,00
	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality)	M'	286,80	\$ 1,75	\$ 501,90	M'	286,80	\$ 3,98	\$ 1.141,46
	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality)	M'	214,50	\$ 1,00	\$ 214,50	M'	214,50	\$ 3,60	\$ 772,63
	Pipe AV for installation electric (Pipe listrik 1/2" atau sejenisnya dengan Site)	M'	20,00	\$ 2,25	\$ 45,00	M'	20,00	\$ 1,06	\$ 21,20
	MCB 20A		1,00	\$ 34,00	\$ 34,00		1,00	\$ 27,48	\$ 27,48
	RCD 16A		1,00	\$ 65,50	\$ 65,50		1,00	\$ 32,00	\$ 32,00
	MCB 10A		2,00	\$ 30,00	\$ 60,00		2,00	\$ 9,63	\$ 19,26
	MCB 50A		1,00	\$ 65,00	\$ 65,00		1,00	\$ 22,76	\$ 22,76
				Sub total	\$ 4.612,15				\$ 5.868,94
					\$ 25.533,17				\$ 26.550,63
IV	DORMITORY 3								
A	STRUCTURE DEMOLISH & PAINTING REMOVAL								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	176,52	\$ 1,40	\$ 247,13	M <sup>2</sup>	176,52	\$ 1,70	\$ 300,08
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	1.749,28	\$ 1,40	\$ 2.449,00	M <sup>2</sup>	1.749,28	\$ 1,70	\$ 2.973,78
3	Demolish, truss & zinc roofing	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78
4	Demolish, plafond and frame	M <sup>2</sup>	233,90	\$ 0,63	\$ 147,35	M <sup>2</sup>	233,90	\$ 1,76	\$ 411,66
5	Wall repairing (pengilisan/pengerukan beton lapuk dan plesteran lapuk)	M <sup>2</sup>	10,00	\$ 5,05	\$ 50,50	M <sup>2</sup>	10,00	\$ 5,85	\$ 58,50
				Sub total	\$ 3.037,76				\$ 3.887,80
B	REINSTAL STRUCTURE & ROOF								
1	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	326,78	\$ 7,80	\$ 2.548,89	M <sup>2</sup>	326,78	\$ 8,53	\$ 2.787,44
2	Ridge capping 550mm girth (bubungan)	M'	26,46	\$ 13,90	\$ 367,84	M'	26,46	\$ 15,07	\$ 398,75
3	Porlin timber 3x2.5cm girth (Seng plat bagian samping, tebal 0.42 mm)	M'	128,20	\$ 13,90	\$ 1.782,19	M'	128,20	\$ 15,07	\$ 1.931,97
				Sub total	\$ 4.698,92				\$ 5.118,17
C	CEILING WORK								
1	Frame 40x40 (Indonesian standard - , best quality) Bj= 0.40 Kg/m	Kg	364,88	\$ 16,08	\$ 5.867,27	Kg	364,88	\$ 2,36	\$ 861,12
2	PVC 9mm(Indonesian standard, best quality)	M <sup>2</sup>	233,90	\$ 1,63	\$ 381,25	M <sup>2</sup>	233,90	\$ 13,75	\$ 3.216,06
3	List PVC (Indonesian standard, best quality)	M'	324,41	\$ 1,63	\$ 528,79	M'	324,41	\$ 3,21	\$ 1.041,36
				Sub total	\$ 6.777,31				\$ 5.118,53
D	PAINTING								
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M <sup>2</sup>	176,52	\$ 1,58	\$ 278,90	M <sup>2</sup>	176,52	\$ 1,70	\$ 300,08
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M <sup>2</sup>	1.749,28	\$ 1,58	\$ 2.763,87	M <sup>2</sup>	1.749,28	\$ 1,70	\$ 2.973,78
				Sub total	\$ 3.042,77				\$ 3.273,86
E	PAINTING DOOR & WINDOW ( Accessories Mantanence)								
1	Door - D1	M <sup>2</sup>	12,50	\$ 3,51	\$ 43,89	M <sup>2</sup>	12,50	\$ 4,37	\$ 54,65
2	Door - D2	M <sup>2</sup>	3,27	\$ 3,51	\$ 11,47	M <sup>2</sup>	3,27	\$ 4,37	\$ 14,28
3	Window-W1,	M <sup>2</sup>	15,09	\$ 3,51	\$ 52,96	M <sup>2</sup>	15,09	\$ 4,37	\$ 65,93
4	Ventilation-V1	M <sup>2</sup>	6,35	\$ 3,51	\$ 22,28	M <sup>2</sup>	6,35	\$ 4,37	\$ 27,74
5	Door handle (stainless), relevant on the site	Unit	4,00	\$ 26,81	\$ 107,24	Unit	4,00	\$ 26,81	\$ 107,24
6	Chance the current and windows glas	Unit	3,00	\$ 18,93	\$ 56,79	Unit	3,00	\$ 18,93	\$ 56,79
				Sub total	\$ 294,64				\$ 326,64
F	ELECTRICAL WORK								
1	Supply & installation:								
	Connection Panel	Unit	2,00	\$ 30,00	\$ 60,00	Unit	2,00	\$ 25,00	\$ 50,00
	DB Panel wall box 600 x 400 x 250 galvanised	Unit	2,00	\$ 72,50	\$ 145,00	Unit	2,00	\$ 97,48	\$ 194,96
	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu florescent 1 x 36W )	Unit	14,00	\$ 41,50	\$ 581,00	Unit	14,00	\$ 20,13	\$ 281,82
	Down Light Lamp Philips LED 30 watt	Unit	8,00	\$ 15,50	\$ 124,00	Unit	8,00	\$ 12,25	\$ 98,00
	Serie Switch	Unit	4,00	\$ 5,00	\$ 20,00	Unit	4,00	\$ 9,61	\$ 38,44
	Single Switch	Unit	4,00	\$ 5,00	\$ 20,00	Unit	4,00	\$ 5,15	\$ 20,60
	Dimmer Swit for pan	Unit	14,00	\$ 5,00	\$ 70,00	Unit	14,00	\$ 5,15	\$ 72,10
	Fun Orbit Ceilling 80 Watt	Unit	14,00	\$ 75,00	\$ 1.050,00	Unit	14,00	\$ 75,00	\$ 1.050,00
	Socket existing Point 200 W	Unit	5,00	\$ 4,50	\$ 22,50	Unit	5,00	\$ 1,75	\$ 8,75
	New sckt Point 200 W	Unit	5,00	\$ 1,75	\$ 8,75	Unit	5,00	\$ 10,50	\$ 52,50
	Lamp halogen sorot	Unit	4,00	\$ 150,00	\$ 600,00	Unit	4,00	\$ 130,90	\$ 523,60
	New Sockt AC 1000 W	Unit	2,00	\$ 10,50	\$ 21,00	Unit	2,00	\$ 10,50	\$ 21,00
	Exhaust fun 60 W	Unit	2,00	\$ 45,50	\$ 91,00	Unit	2,00	\$ 42,18	\$ 84,36
	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality)	M'	250,89	\$ 1,75	\$ 439,06	M'	250,89	\$ 3,98	\$ 998,54
	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality)	M'	844,95	\$ 1,00	\$ 844,95	M'	844,95	\$ 3,60	\$ 3.043,51



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY A.D.N			
		Unit	Qty	Up	Amount	Unit	Qty	Unit Price	Amount
	Pipe AV for installation electric (Pipe listrik 1/2" atau sejenisnya dengan Site)	Unit	20,00	\$ 25,25	\$ 505,00	Unit	20,00	\$ 1,06	\$ 21,20
	MCB 20A	Unit	1,00	\$ 34,00	\$ 34,00	Unit	1,00	\$ 27,48	\$ 27,48
	RCD 16A	Unit	1,00	\$ 66,50	\$ 66,50	Unit	1,00	\$ 32,00	\$ 32,00
	MCB 10A	Unit	2,00	\$ 30,00	\$ 60,00	Unit	2,00	\$ 9,63	\$ 19,26
	MCB 50A	Unit	1,00	\$ 65,00	\$ 65,00	Unit	1,00	\$ 22,76	\$ 22,76
				Sub total	\$ 4.827,76				\$ 6.660,88
	<b>Sub total</b>				\$ 22.679,15				\$ 24.385,88
V	<b>CLASS ROOM/INSTRUTOR 4</b>								
A	<b>STRUCTURE DEMOLISH &amp; PAINTING REMOVAL</b>								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	175,97	\$ 1,40	\$ 246,36	M <sup>2</sup>	175,97	\$ 1,70	\$ 299,16
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	420,47	\$ 1,40	\$ 588,66	M <sup>2</sup>	420,47	\$ 1,70	\$ 714,81
3	Demolish, truss & zinc roofing	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78
4	Demolish, plafond and frame	M <sup>2</sup>	233,90	\$ 0,63	\$ 147,35	M <sup>2</sup>	233,90	\$ 1,76	\$ 411,66
5	Wall repairing (pengikisan/pengerokan beton lapuk dan plesteran lapuk)	M <sup>2</sup>	10,00	\$ 5,05	\$ 50,50	M <sup>2</sup>	10,00	\$ 5,85	\$ 58,50
				Sub total	\$ 1.176,66				\$ 1.627,90
B	<b>REINSTAL STRUCTURE &amp; ROOF</b>								
1	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	326,78	\$ 7,80	\$ 2.548,89	M <sup>2</sup>	326,78	\$ 8,53	\$ 2.787,44
2	Ridge capping 550mm girth (bubungan)	M'	26,46	\$ 13,90	\$ 367,84	M'	26,46	\$ 15,07	\$ 398,75
3	Porlin timber 3x2.5cm girth ( Seng plat bagian samping, tebal 0.42 mm )	M'	77,62	\$ 13,90	\$ 1.079,05	M'	77,62	\$ 15,07	\$ 1.169,73
				Sub total	\$ 3.995,77				\$ 4.355,93
C	<b>CEILING WORK</b>								
1	Frame 40x40 (Indonesian standard - , best quality) Bj= 0,40 Kg/m	Kg	233,90	16,08	\$ 3.761,03	Kg	233,90	\$ 2,36	\$ 551,99
2	PVC 9mm(Indonesian standard, best quality)	M <sup>2</sup>	233,90	1,63	\$ 381,25	M <sup>2</sup>	233,90	\$ 13,75	\$ 3.216,06
3	List PVC (Indonesian standard, best quality)	M'	146,40	\$ 1,63	\$ 238,63	M'	146,40	\$ 3,21	\$ 469,94
				Sub total	\$ 4.380,91				\$ 4.237,99
D	<b>PAINTING</b>								
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - + plamir	M2	175,97	\$ 1,58	\$ 278,04	M2	175,97	\$ 1,70	\$ 299,16
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - + plamir	M2	175,97	\$ 1,58	\$ 278,04	M2	175,97	\$ 1,70	\$ 299,16
				Sub total	\$ 556,08				\$ 598,31
E	<b>PAINTING DOOR &amp; WINDOW ( Accessories Mantanence )</b>								
1	Door - D2	M <sup>2</sup>	13,07	3,51	\$ 45,89	M <sup>2</sup>	13,07	\$ 4,37	\$ 57,13
2	Ventilation-V3	M <sup>2</sup>	6,35	3,51	\$ 22,28	M <sup>2</sup>	6,35	\$ 4,37	\$ 27,74
3	Ventilation-V4	M <sup>2</sup>	16,58	3,51	\$ 58,18	M <sup>2</sup>	16,58	\$ 4,37	\$ 72,44
4	Door handle (stainless), relevant on the site	Unit	8,00	26,81	\$ 214,48	Unit	8,00	\$ 26,81	\$ 214,48
5	Change the current and windows glas	Unit	3,00	18,93	\$ 56,79	Unit	3,00	\$ 18,93	\$ 56,79
				Sub total	\$ 397,62				\$ 428,58
F	<b>ELECTRICAL WORK</b>								
1	Supply & installation:								
	Connection Panel	Unit	1,00	30,00	\$ 30,00	Unit	1,00	\$ 25,00	\$ 25,00
	DB Panel wall box 600 x 400 x 250 galvanised	Unit	1,00	72,50	\$ 72,50	Unit	1,00	\$ 97,48	\$ 97,48
	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu florescent 1 x 36W )	Unit	34,00	41,50	\$ 1.411,00	Unit	34,00	\$ 20,13	\$ 684,42
	Serie Switch	Unit	5,00	5,00	\$ 25,00	Unit	5,00	\$ 9,61	\$ 48,05
	Single Switch	Unit	1,00	8,00	\$ 8,00	Unit	1,00	\$ 5,15	\$ 5,15
	Dimmer Swit for pan	Unit	14,00	5,00	\$ 70,00	Unit	14,00	\$ 5,15	\$ 72,10
	Fun Orbit Ceiling 80 Watt	Unit	14,00	75,00	\$ 1.050,00	Unit	14,00	\$ 75,00	\$ 1.050,00
	Socket existing Point 200 W	Unit	5,00	4,50	\$ 22,50	Unit	5,00	\$ 1,75	\$ 8,75
	New sockt Point 200 W	Unit	12,00	1,75	\$ 21,00	Unit	12,00	\$ 10,50	\$ 126,00
	Lamp halogen sorot	Unit	4,00	150,00	\$ 600,00	Unit	4,00	\$ 130,90	\$ 523,60
	New Sockt AC 1000 W	Unit	14,00	10,50	\$ 147,00	Unit	14,00	\$ 10,50	\$ 147,00
	Exhaust fun 60 W	Unit	12,00	45,50	\$ 546,00	Unit	12,00	\$ 42,18	\$ 506,16
	Cable (supply & installation) - SNJ, NYM 3x2,5mm good quality)	M'	250,89	1,75	\$ 439,06	M'	250,89	\$ 3,98	\$ 998,54
	Cable (supply & installation) - SNJ, NYM 2x1,5mm good quality)	M'	844,95	1,00	\$ 844,95	M'	844,95	\$ 3,60	\$ 3.043,51
	Pipe AV for installation electric (Pipe listrik 1/2" atau sejenisnya dengan Site)	M'	50,00	2,25	\$ 112,50	M'	50,00	\$ 1,06	\$ 53,00
	MCB 20A	Unit	1,00	34,00	\$ 34,00	Unit	1,00	\$ 27,48	\$ 27,48
	RCD 16A	Unit	1,00	66,50	\$ 66,50	Unit	1,00	\$ 32,00	\$ 32,00
	MCB 10A	Unit	2,00	30,00	\$ 60,00	Unit	2,00	\$ 9,63	\$ 19,26
	MCB 50A	Unit	1,00	65,00	\$ 65,00	Unit	1,00	\$ 22,76	\$ 22,76
				Sub Total	\$ 5.625,01				\$ 7.490,26
	<b>Sub Total</b>				\$ 16.132,06				\$ 18.738,98
VI	<b>CLASS ROOM</b>								
A	<b>STRUCTURE DEMOLISH &amp; PAINTING REMOVAL</b>								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	175,97	\$ 1,40	\$ 246,36	M <sup>2</sup>	175,97	\$ 1,70	\$ 299,16



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY ADN			
		Unit	Qty	U.P	Amount	Unit	Qty	Unit Price	Amount
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	421,07	\$ 1,40	\$ 589,50	M <sup>2</sup>	421,07	\$ 1,70	\$ 715,83
3	Demolish, truss & zinc roofing	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78	M <sup>2</sup>	326,78	\$ 0,44	\$ 143,78
4	Demolish, plafond and frame	M <sup>2</sup>	233,90	\$ 0,63	\$ 147,35	M <sup>2</sup>	233,90	\$ 1,76	\$ 411,66
5	Wall repairing (pengikisan/pengecoran beton lapuk dan plesteran lapuk)	M <sup>2</sup>	10,00	\$ 5,05	\$ 50,50	M <sup>2</sup>	10,00	\$ 5,85	\$ 58,50
				Sub total	\$ 1.177,50				\$ 1.628,92
<b>B REINSTAL STRUCTURE &amp; ROOF</b>									
1	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	326,78	\$ 7,80	\$ 2.548,89	M <sup>2</sup>	326,78	\$ 8,53	\$ 2.787,44
2	Ridge capping 550mm girth (bubungan)	M'	26,46	\$ 13,90	\$ 367,84	M'	26,46	\$ 15,07	\$ 398,75
3	Porlin timber 3x2.5cm girth ( Seng plat bagian samping, tebal 0.42 mm)	M'	77,62	\$ 13,90	\$ 1.079,05	M'	77,62	\$ 15,07	\$ 1.169,73
				Sub total	\$ 3.995,77				\$ 4.355,93
<b>C CEILING WORK</b>									
1	Frame 40x40 (Indonesian standard - , best quality) Bj= 0.40 Kg/m	kg	364,88	\$ 16,08	\$ 5.867,27	kg	364,88	\$ 2,36	\$ 861,12
2	PVC 9mm(Indonesian standard, best quality)	M'	233,90	\$ 1,63	\$ 381,25	M'	233,90	\$ 13,75	\$ 3.216,06
3	List PVC (Indonesian standard, best quality)	M'	211,30	\$ 1,63	\$ 344,42	M'	211,30	\$ 3,21	\$ 678,27
				Sub total	\$ 6.592,94				\$ 4.755,45
<b>D PAINTING</b>									
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	175,97	\$ 1,58	\$ 278,04	M2	175,97	\$ 1,70	\$ 299,16
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	421,07	\$ 1,58	\$ 665,30	M2	421,07	\$ 1,70	\$ 715,83
				Sub total	\$ 943,34				\$ 1.014,98
<b>E PAINTING DOOR &amp; WINDOW (Accessories Mantanence)</b>									
1	Door - D2	M <sup>2</sup>	13,07	\$ 3,51	\$ 45,89	M <sup>2</sup>	13,07	\$ 4,37	\$ 57,13
2	Ventilation-V3	M <sup>2</sup>	6,35	\$ 3,51	\$ 22,28	M <sup>2</sup>	6,35	\$ 4,37	\$ 27,74
3	Ventilation-V4	M <sup>2</sup>	16,58	\$ 3,51	\$ 58,18	M <sup>2</sup>	16,58	\$ 4,37	\$ 72,44
4	Door handle (stainless), relevant on the site	Unit	8,00	\$ 26,81	\$ 214,48	Unit	8,00	\$ 26,81	\$ 214,48
5	Chance the current and windows glas	Unit	3,00	\$ 18,93	\$ 56,79	Unit	3,00	\$ 18,93	\$ 56,79
				Sub total	\$ 397,62				\$ 428,58
<b>F ELECTRICAL WORK</b>									
1	Supply & installation:								
	Panel Distribution 14 Group	Unit	1,00	\$ 30,00	\$ 30,00	Unit	1,00	\$ 25,00	\$ 25,00
	DB Panel wall box 600 x 400 x 250 galvanesed	Unit	1,00	\$ 72,50	\$ 72,50	Unit	1,00	\$ 97,48	\$ 97,48
	MCB 20A	Unit	1,00	\$ 34,00	\$ 34,00	Unit	1,00	\$ 27,48	\$ 27,48
	RCD 50A	Unit	1,00	\$ 66,00	\$ 66,00	Unit	1,00	\$ 45,00	\$ 45,00
	MCB 10A	Unit	2,00	\$ 30,00	\$ 60,00	Unit	2,00	\$ 9,63	\$ 19,26
	MCB 30A	Unit	1,00	\$ 65,00	\$ 65,00	Unit	1,00	\$ 22,76	\$ 22,76
	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu flourescent 1 x 36W)	Unit	30,00	\$ 41,50	\$ 1.245,00	Unit	30,00	\$ 20,13	\$ 603,90
	Fun Orbit Ceiling 80 Watt	Unit	14,00	\$ 75,00	\$ 1.050,00	Unit	14,00	\$ 75,00	\$ 1.050,00
	Power outlet points (titik stop kontak)	Point	16,00	\$ 5,50	\$ 88,00	Point	16,00	\$ 10,50	\$ 168,00
	Serie Switch	Unit	5,00	\$ 5,50	\$ 27,50	Unit	5,00	\$ 9,61	\$ 48,05
	Single Switch	Unit	5,00	\$ 5,50	\$ 27,50	Unit	5,00	\$ 5,15	\$ 25,75
	Dimmer Swit for pan	Unit	14,00	\$ 8,00	\$ 112,00	Unit	14,00	\$ 5,15	\$ 72,10
	Socket existing Point 200 W	Unit	10,00	\$ 4,50	\$ 45,00	Unit	10,00	\$ 10,50	\$ 105,00
	New socket Point 200 W	Unit	2,00	\$ 1,75	\$ 3,50	Unit	2,00	\$ 10,50	\$ 21,00
	Lamp halogen sorot	Unit	2,00	\$ 150,00	\$ 300,00	Unit	2,00	\$ 130,90	\$ 261,80
	New Sockt AC 1000 W	Unit	2,00	\$ 10,50	\$ 21,00	Unit	2,00	\$ 10,50	\$ 21,00
	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality	M'	281,95	\$ 1,75	\$ 493,41	M'	281,95	\$ 3,98	\$ 1.122,16
	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality	M'	170,22	\$ 1,00	\$ 170,22	M'	170,22	\$ 3,60	\$ 613,13
	Pipe AV for installation electric (Pipe listrik 1/2" atau sejennisnya dengan Site)	M'	20,00	\$ 2,25	\$ 45,00	M'	20,00	\$ 1,06	\$ 21,20
				Sub Total	\$ 3.955,63				\$ 4.370,07
					\$ 17.062,81				\$ 16.553,93
<b>VII REHABILITATION COMANDERS VIP</b>									
<b>A STRUCTURE DEMOLISH &amp; PAINTING REMOVAL</b>									
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	157,08	\$ 1,40	\$ 219,92	M <sup>2</sup>	157,08	\$ 1,70	\$ 267,04
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	547,42	\$ 1,40	\$ 766,39	M <sup>2</sup>	547,42	\$ 1,70	\$ 930,62
3	Demolish, truss & zinc roofing	M <sup>2</sup>	211,26	\$ 0,44	\$ 92,95	M <sup>2</sup>	211,26	\$ 0,44	\$ 92,95
4	Demolish, plafond and frame	M <sup>2</sup>	211,26	\$ 0,63	\$ 133,09	M <sup>2</sup>	211,26	\$ 1,76	\$ 371,82
5	Wall repairing (pengikisan/pengecoran beton lapuk dan plesteran lapuk)	M <sup>2</sup>	10,00	\$ 5,05	\$ 50,50	M <sup>2</sup>	10,00	\$ 5,85	\$ 58,50
				Sub total	\$ 1.212,36				\$ 1.720,93
<b>B REINSTAL STRUCTURE &amp; ROOF</b>									
1	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	211,26	\$ 7,80	\$ 1.647,82	M <sup>2</sup>	211,26	\$ 8,53	\$ 1.802,04



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY A D N			
		Unit	Qty	Up	Amount	Unit	Qty	Unit Price	Amount
2	Ridge capping 550mm girth (bubungan)	M'	4,45	\$ 13,90	\$ 61,86	M'	4,45	\$ 15,07	\$ 67,06
3	Porlin timber 3x2.5cm girth ( Seng plat bagian samping, tebal 0.42 mm)	M'	44,54	\$ 13,90	\$ 619,18	M'	44,54	\$ 15,07	\$ 671,22
C	CEILING WORK			Sub total	\$ 2.328,86				\$ 2.540,32
1	Frame 40x40 (Indonesian standard - , best quality) Bj= 0.40 Kg/m	Kg	211,26	\$ 16,08	\$ 3.397,04	Kg	211,26	\$ 2,36	\$ 498,57
2	PVC 9mm(Indonesian standard, best quality)	M <sup>2</sup>	4,45	\$ 1,63	\$ 7,25	M <sup>2</sup>	4,45	\$ 13,75	\$ 61,19
3	List PVC (Indonesian standard, best quality)	M'	44,54	\$ 1,63	\$ 72,60	M'	44,54	\$ 3,21	\$ 142,97
				Sub total	\$ 3.476,90				\$ 702,73
D	PAINTING								
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior + plamir	M <sup>2</sup>	157,08	\$ 1,58	\$ 248,19	M <sup>2</sup>	157,08	\$ 1,70	\$ 267,04
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior + plamir	M <sup>2</sup>	547,42	\$ 1,58	\$ 864,93	M <sup>2</sup>	547,42	\$ 1,70	\$ 930,62
				Sub total	\$ 1.113,12				\$ 1.197,66
E	PAINTING DOOR & WINDOW ( Accessories Mantanence)								
1	Door - D1	M <sup>2</sup>	6,64	\$ 3,51	\$ 23,31	M <sup>2</sup>	6,64	\$ 4,37	\$ 29,02
2	Door - D2	M <sup>2</sup>	13,14	\$ 3,51	\$ 46,12	M <sup>2</sup>	13,14	\$ 4,37	\$ 57,42
3	Windows-W1	M <sup>2</sup>	1,16	\$ 3,51	\$ 4,06	M <sup>2</sup>	1,16	\$ 4,37	\$ 5,05
4	Windows-W2	M <sup>2</sup>	10,33	\$ 3,51	\$ 36,24	M <sup>2</sup>	10,33	\$ 4,37	\$ 45,12
5	Ventilation-V1	M <sup>2</sup>	0,53	\$ 3,51	\$ 1,86	M <sup>2</sup>	0,53	\$ 4,37	\$ 2,32
6	Ventilation-V2	M <sup>2</sup>	0,79	\$ 3,51	\$ 2,78	M <sup>2</sup>	0,79	\$ 4,37	\$ 3,46
7	Ventilation-V3	M <sup>2</sup>	0,50	\$ 3,51	\$ 1,75	M <sup>2</sup>	0,50	\$ 4,37	\$ 2,18
8	Ventilation-V4	M <sup>2</sup>	0,38	\$ 3,51	\$ 1,33	M <sup>2</sup>	0,38	\$ 4,37	\$ 1,65
9	Door-1 handle (stainless), relevant on the site	Unit	4,00	\$ 26,81	\$ 107,24	Unit	4,00	\$ 26,81	\$ 107,24
10	Door-2 handle (stainless), relevant on the site	Unit	9,00	\$ 26,81	\$ 241,29	Unit	9,00	\$ 26,81	\$ 241,29
11	Change the current and windows glasas	Unit	3,00	\$ 18,93	\$ 56,79	Unit	3,00	\$ 18,93	\$ 56,79
				Sub total	\$ 522,77				\$ 551,55
F	ELECTRICAL WORK								
1	Supply & installation:								
	Panel Distribution 14 Group	Unit	1,00	\$ 30,00	\$ 30,00	Unit	1,00	\$ 25,00	\$ 25,00
	Lamp philips 30 watt	Unit	12,00	\$ 15,50	\$ 186,00	Unit	12,00	\$ 97,48	\$ 1.169,76
	Lamp philips 18 watt	Unit	6,00	\$ 8,25	\$ 49,50	Unit	6,00	\$ 11,73	\$ 70,38
	Double switch	Unit	4,00	\$ 5,00	\$ 20,00	Unit	4,00	\$ 10,41	\$ 41,64
	Single switch	Unit	9,00	\$ 5,50	\$ 49,50	Unit	9,00	\$ 5,15	\$ 46,35
	Dimmer Switch for Fan	Unit	2,00	\$ 8,00	\$ 16,00	Unit	2,00	\$ 5,67	\$ 11,34
	Socket Existing	Unit	10,00	\$ 4,50	\$ 45,00	Unit	10,00	\$ 10,50	\$ 105,00
	Fun Orbit Ceiling 19 watt	Unit	2,00	\$ 8,25	\$ 16,50	Unit	2,00	\$ 35,00	\$ 70,00
	Socket Air Conditioner (AC)	Unit	3,00	\$ 10,50	\$ 31,50	Unit	3,00	\$ 10,50	\$ 31,50
	Switch Sensor Body For Exhaust	Unit	2,00	\$ 3,50	\$ 7,00	Unit	2,00	\$ 3,50	\$ 7,00
	Heater Water 30 Ltr	Unit	2,00	\$ 270,00	\$ 540,00	Unit	2,00	\$ 270,00	\$ 540,00
	1x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu fluorescent 1x 36W)	Unit	4,00	\$ 41,50	\$ 166,00	Unit	4,00	\$ 20,13	\$ 80,52
	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality	M'	215,54	\$ 1,75	\$ 377,20	M'	215,54	\$ 3,98	\$ 857,85
	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality	M'	150,89	\$ 1,00	\$ 150,89	M'	150,89	\$ 3,60	\$ 543,51
	MCB 20A	Unit	1,00	\$ 34,00	\$ 34,00	Unit	1,00	\$ 27,48	\$ 27,48
	RCD 50A	Unit	1,00	\$ 66,50	\$ 66,50	Unit	1,00	\$ 45,00	\$ 45,00
	MCB 10A	Unit	2,00	\$ 30,00	\$ 60,00	Unit	2,00	\$ 9,63	\$ 19,26
	MCB 30A	Unit	1,00	\$ 65,00	\$ 65,00	Unit	1,00	\$ 22,76	\$ 22,76
				Sub Total	\$ 1.910,59				\$ 3.714,34
VIII	REHABILITATION OF KICHEN								
A	STRUCTURE DEMOLISH & PAINTING REMOVAL								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	616,63	\$ 1,40	\$ 863,28	M <sup>2</sup>	616,63	\$ 1,70	\$ 1.048,27
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	523,55	\$ 1,40	\$ 732,98	M <sup>2</sup>	523,55	\$ 1,70	\$ 890,04
3	Demolish, truss & zinc roofing	M'	211,26	\$ 0,44	\$ 92,95	M'	211,26	\$ 0,44	\$ 92,95
4	Demolish, plafond and frame	M'	211,26	\$ 0,63	\$ 133,09	M'	211,26	\$ 1,76	\$ 371,82
5	Wall repairing (pengikisan/pengecoran beton lapuk dan plesteran lapuk)	M <sup>2</sup>	10,00	\$ 5,05	\$ 50,50	M <sup>2</sup>	10,00	\$ 5,85	\$ 58,50
				Sub total	\$ 1.872,80				\$ 2.461,58
B	REINSTAL STRUCTURE & ROOF								
1	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	1.056,22	\$ 7,80	\$ 8.236,54	M <sup>2</sup>	1.056,22	\$ 8,53	\$ 9.009,58
2	Ridge capping 550mm girth (bubungan)	M'	45,43	\$ 13,90	\$ 631,55	M'	45,43	\$ 15,07	\$ 684,63
3	Porlin timber 3x2.5cm girth ( Seng plat bagian samping, tebal 0.42 mm)	M'	143,44	\$ 13,90	\$ 1.994,05	M'	143,44	\$ 15,07	\$ 2.161,64
4	Zinc Guter		30,91	\$ 14,26	\$ 440,78		30,91	\$ 14,26	\$ 440,78
5	PVC 4" for Guter	M'	17,60	\$ 11,94	\$ 210,14	M'	17,60	\$ 19,00	\$ 334,40
6	Elbow 4"	Unit	10,00	\$ 20,86	\$ 208,60	Unit	10,00	\$ 24,88	\$ 248,80
				Sub total	\$ 11.723,66				\$ 12.879,83
C	CEILING WORK								
1	Frame 40x40 (Indonesian standard - , best quality) Bj= 0.40 Kg/m	Kg	312,04	\$ 16,08	\$ 5.017,60	Kg	312,04	\$ 2,36	\$ 736,41
2	PVC 9mm(Indonesian standard, best quality)	M <sup>2</sup>	616,20	\$ 1,63	\$ 1.004,41	M <sup>2</sup>	616,20	\$ 13,75	\$ 8.472,79



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY A D N			
		Unit	Qty	Up	Amount	Unit	Qty	Unit Price	Amount
3	List PVC (Indonesian standard, best quality)	M'	762,26	\$ 1,63	\$ 1,242,48	M'	762,26	\$ 3,21	\$ 2,446,85
D	<b>PAINTING</b>			<b>Sub total</b>	<b>\$ 7,264,50</b>				<b>\$ 11,656,06</b>
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	616,63	\$ 1,58	\$ 974,28	M2	616,63	\$ 1,70	\$ 1,048,27
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	547,42	\$ 1,58	\$ 864,93	M2	547,42	\$ 1,70	\$ 930,62
E	<b>PAINTING DOOR &amp; WINDOW ( Accessories Mantanence )</b>			<b>Sub total</b>	<b>\$ 1,839,21</b>				<b>\$ 1,978,89</b>
1	Door - D1	M2	3,69	\$ 3,51	\$ 12,95	M2	3,69	\$ 4,37	\$ 16,13
2	Door - D2	M2	9,84	\$ 3,51	\$ 34,54	M2	9,84	\$ 4,37	\$ 43,00
3	Door - D3	M2	2,26	\$ 3,51	\$ 7,92	M2	2,26	\$ 4,37	\$ 9,85
4	Door - D4	M2	2,15	\$ 3,51	\$ 7,56	M2	2,15	\$ 4,37	\$ 9,41
5	Door - D5	M2	1,85	\$ 3,51	\$ 6,48	M2	1,85	\$ 4,37	\$ 8,06
6	Door - D6	M2	1,64	\$ 3,51	\$ 5,76	M2	1,64	\$ 4,37	\$ 7,17
7	Door - D7	M2	2,46	\$ 3,51	\$ 8,63	M2	2,46	\$ 4,37	\$ 10,75
8	Door - D8	M2	4,44	\$ 3,51	\$ 15,58	M2	4,44	\$ 4,37	\$ 19,40
F	<b>SAPTTANK</b>			<b>Sub total</b>	<b>\$ 99,41</b>				<b>\$ 123,77</b>
1	Excavation	M3	16,58	\$ 21,39	\$ 354,54	M3	16,58	\$ 5,14	\$ 85,20
2	Wall Concrete block ( 40 x 20 x 10 ), 1Pc : 4ps	M2	17,97	\$ 50,90	\$ 914,47	M2	17,97	\$ 15,31	\$ 275,06
3	Plester 1:4, t= 20 mm	M2	25,42	\$ 6,21	\$ 157,87	M2	25,42	\$ 7,39	\$ 187,87
4	Plat Concrete mutu f'c = 12,2 Mpa ( K 150 )	m3	1,90	\$ 107,22	\$ 203,72	m3	1,90	\$ 145,43	\$ 276,32
5	Cover Concrete mutu f'c = 12,2 Mpa ( K 150 )	m3	0,52	\$ 107,22	\$ 55,93	m3	0,52	\$ 145,43	\$ 75,86
6	Pipe								
	PVC Ø 4"	M'	5,57	\$ 11,94	\$ 66,51	M'	5,57	\$ 19,00	\$ 105,83
	PVC Ø 3"	M'	2,45	\$ 9,11	\$ 22,32	M'	2,45	\$ 10,97	\$ 26,88
7	Reducer Tee 4"	Unit	2,00	\$ 15,00	\$ 30,00	Unit	2,00	\$ 6,75	\$ 13,50
				<b>Sub total</b>	<b>\$ 1,805,35</b>				<b>\$ 1,046,50</b>
G	<b>ELECTRICAL WORK</b>								
1	Supply & installation:	Unit				Unit			
a	Connection Panel	Unit	2,00	\$ 30,00	\$ 60,00	Unit	2,00	\$ 25,00	\$ 50,00
b	Panel distribution	Unit	2,00	\$ 72,50	\$ 145,00	Unit	2,00	\$ 97,48	\$ 194,96
c	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu flourescent 1 x 36W)	Unit	22,00	\$ 41,50	\$ 913,00	Unit	22,00	\$ 20,13	\$ 442,86
d	Down Light Lamp Philips LED 30 watt	Unit	26,00	\$ 15,50	\$ 403,00	Unit	26,00	\$ 12,25	\$ 318,50
e	T dus	Unit	15,00	\$ 3,00	\$ 45,00	Unit	15,00	\$ 2,00	\$ 30,00
f	Single Switch	Unit	15,00	\$ 5,00	\$ 75,00	Unit	15,00	\$ 5,15	\$ 77,25
g	Switch Duplo	Unit	10,00	\$ 5,00	\$ 50,00	Unit	10,00	\$ 10,41	\$ 104,10
h	Series Switch	Unit	5,00	\$ 4,50	\$ 22,50	Unit	5,00	\$ 9,61	\$ 48,05
i	Lamp Philips 19 watt	Unit	7,00	\$ 8,25	\$ 57,75	Unit	7,00	\$ 11,73	\$ 82,11
j	Fun Orbit Ceiling 80 Watt	Unit	2,00	\$ 75,00	\$ 150,00	Unit	2,00	\$ 35,00	\$ 70,00
k	Socket existing Point 200 W	Unit	12,00	\$ 4,50	\$ 54,00	Unit	12,00	\$ 10,50	\$ 126,00
l	New socket Point 200 W	Unit	5,00	\$ 1,75	\$ 8,75	Unit	5,00	\$ 10,50	\$ 52,50
m	Exhaust fun 60 W	Unit	2,00	\$ 45,50	\$ 91,00	Unit	2,00	\$ 42,18	\$ 84,36
n	Switch Sensor Body For Exhaust	Unit	2,00	\$ 3,50	\$ 7,00	Unit	2,00	\$ 3,50	\$ 7,00
o	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality	M'	389,00	\$ 1,75	\$ 680,75	M'	389,00	\$ 3,98	\$ 1,548,22
p	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality	M'	250,00	\$ 1,00	\$ 250,00	M'	250,00	\$ 3,60	\$ 900,50
q	Pipe AV for installation electric (Pipe listrik 1/2" atau sejenisnya dengan Site)	Unit	35,00	\$ 2,25	\$ 78,75	Unit	35,00	\$ 1,06	\$ 37,10
				<b>Sub Total</b>	<b>\$ 3,091,50</b>				<b>\$ 4,173,51</b>
									<b>\$ 34,320,15</b>
IX	<b>REHABILITATION TOILET 1</b>								
A	<b>STRUCTURE DEMOLISH &amp; PAINTING REMOVAL</b>								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	38,12	\$ 1,40	\$ 53,36	M <sup>2</sup>	38,12	\$ 1,70	\$ 64,80
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	97,54	\$ 1,40	\$ 136,56	M <sup>2</sup>	97,54	\$ 1,70	\$ 165,82
3	Demolish, truss & zinc roofing	M <sup>2</sup>	27,12	\$ 0,44	\$ 11,93	M <sup>2</sup>	27,12	\$ 0,44	\$ 11,93
4	Demolish existing ceramic floor	M <sup>2</sup>	27,50	\$ 1,75	\$ 48,75	M <sup>2</sup>	27,50	\$ 1,76	\$ 48,40
5	Wall repairing (pengikisan/pengecoran beton lapuk dan plesteran lapuk)	M <sup>2</sup>	3,00	\$ 5,05	\$ 15,15	M <sup>2</sup>	3,00	\$ 5,85	\$ 17,55
				<b>Sub total</b>	<b>\$ 217,00</b>				<b>\$ 308,50</b>
B	<b>REINSTAL STRUCTURE &amp; ROOF</b>								
1	Hollow 5/10 cm, t= 2 mm for frame roof (rangka atap), bj=4.6	kg	308,54	\$ 1,45	\$ 447,38	kg	308,54	\$ 2,36	\$ 728,14
2	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	27,12	\$ 7,80	\$ 211,54	M <sup>2</sup>	27,12	\$ 8,53	\$ 231,33
3	Porlin timber 3x2.5cm girth ( Seng plat bagian samping, tebal 0.42 mm)	M'	27,40	\$ 13,90	\$ 380,90	M'	27,40	\$ 15,07	\$ 412,92
				<b>Sub total</b>	<b>\$ 1,039,82</b>				<b>\$ 1,372,39</b>
C	<b>PAINTING</b>								
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	38,12	\$ 1,58	\$ 60,22	M2	38,12	\$ 1,70	\$ 64,80
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	97,54	\$ 1,58	\$ 154,11	M2	97,54	\$ 1,70	\$ 165,82
				<b>Sub total</b>	<b>\$ 214,34</b>				<b>\$ 230,62</b>
E	<b>FLOOR WORK</b>								



AGÉNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTRY OF INTERIOR

PROJECT NAME : REHABILITATION OF RAEROBO EXISTENTE BUILDING

LOCATION : RAEROBO, BOBONARO, TIMOR LESTE

BILL OF QUANTITY

No	Description of Works	VERIFIED BY OWNER				VERIFIED BY A D N			
		Unit	Qty	Up	Amount	Unit	Qty	Unit Price	Amount
1	Install new ceramic floor for Room 30.30 cm	M <sup>2</sup>	15,70	\$ 18,65	\$ 292,81	M <sup>2</sup>	15,70	\$ 23,11	\$ 362,83
2	Install new ceramic floor for toilet 20.20 cm	M <sup>2</sup>	13,35	\$ 19,95	\$ 266,33	M <sup>2</sup>	13,35	\$ 23,79	\$ 317,60
				Sub total	\$ 559,14				\$ 680,42
D	PAINTING DOOR & WINDOW ( Accessories Mantanence)								
1	Door - D1	M2	4,96	\$ 3,51	\$ 17,41	M2	4,96	\$ 4,37	\$ 21,68
				Sub total	\$ 17,41				\$ 21,68
E	ELECTRICAL WORK								
	Supply & installation:								
	Duplex convenience outlet high	Unit	2,00	\$ 12,00	\$ 24,00	Unit	2,00	\$ 10,92	\$ 21,84
	Single switch	Unit	2,00	\$ 5,00	\$ 10,00	Unit	2,00	\$ 5,15	\$ 10,30
	Gang switch	Unit	3,00	\$ 8,00	\$ 24,00	Unit	3,00	\$ 5,67	\$ 17,01
	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu florescent 1 x 36W)	Unit	2,00	\$ 41,50	\$ 83,00	Unit	2,00	\$ 20,13	\$ 40,26
	Lamp philips 19 watt	Unit	5,00	\$ 15,50	\$ 77,50	Unit	5,00	\$ 11,73	\$ 58,65
	Double fluorescent light 2x30w	Unit	2,00	\$ 5,00	\$ 10,00	Unit	2,00	\$ 31,68	\$ 63,36
	Ceiling fan Maspion + Accessories	Unit	1,00	\$ 5,00	\$ 5,00	Unit	1,00	\$ 86,28	\$ 86,28
	Panel board	Unit	1,00	\$ 30,00	\$ 30,00	Unit	1,00	\$ 25,00	\$ 25,00
	Panel distribution	Unit	1,00	\$ 72,50	\$ 72,50	Unit	1,00	\$ 97,48	\$ 97,48
	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality)	M'	30,00	\$ 1,75	\$ 52,50	M'	30,00	\$ 3,98	\$ 119,40
	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality)	M'	25,00	\$ 1,00	\$ 25,00	M'	25,00	\$ 3,60	\$ 90,05
				Sub total	\$ 413,50				\$ 629,63
	Sub Total				\$ 2,461,20				\$ 3,243,24
X	REHABILITATION TOILET 2								
A	STRUCTURE DEMOLISH & PAINTING REMOVAL								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	38,12	\$ 1,40	\$ 53,36	M <sup>2</sup>	38,12	\$ 1,70	\$ 64,80
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	97,54	\$ 1,40	\$ 136,56	M <sup>2</sup>	97,54	\$ 1,70	\$ 165,82
3	Demolish, truss & zinc roofing	M <sup>2</sup>	27,12	\$ 0,44	\$ 11,93	M <sup>2</sup>	27,12	\$ 0,44	\$ 11,93
4	Demolish existing ceramic floor	M <sup>2</sup>	20,00			M <sup>2</sup>	20,00	\$ 1,76	\$ 35,20
5	Wall repairing (pengikisan/pengecoran beton lapuk dan plesteran lapuk)	M <sup>2</sup>	3,00	\$ 5,05	\$ 15,15	M <sup>2</sup>	3,00	\$ 5,85	\$ 17,55
				Sub total	\$ 217,00				\$ 295,30
B	REINSTAL STRUCTURE & ROOF								
1	Hollow 5/10 cm, t= 2 mm for frame roof (rangka atap), bj=4.6	kg	308,54	\$ 1,45		kg	308,54	\$ 2,36	\$ 728,14
2	Roofing (new) - ecospan - lebar 1000mm, tebal 0.42 mm (with coating, depan dan belakang) - warna: biro bromo by kencana	M <sup>2</sup>	27,12	\$ 7,80	\$ 211,54	M <sup>2</sup>	27,12	\$ 8,53	\$ 231,33
3	Porlin timber 3x2.5cm girth (Seng plat bagian samping, tebal 0.42 mm)	M'	27,40	\$ 13,90	\$ 380,90	M'	27,40	\$ 15,07	\$ 412,92
				Sub total	\$ 592,44				\$ 1,372,39
C	PAINTING								
1	Exterior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	29,82	\$ 1,58	\$ 47,11	M2	29,82	\$ 1,70	\$ 50,69
2	Interior, painting all building (ex. vinilex / best quality) - (1 lapis plamir, 1 lapis cat dasar, 1 lapis cat penutup) - interior - +plamir	M2	97,54	\$ 1,58	\$ 154,11	M2	97,54	\$ 1,70	\$ 165,82
				Sub total	\$ 201,22				\$ 216,51
E	FLOOR WORK								
1	Install new ceramic floor for Room 30.30 cm	M2	11,04	\$ 18,65	\$ 205,90	M2	11,04	\$ 23,11	\$ 255,13
2	Install new ceramic floor for toilet 20.20 cm	M2	11,85	\$ 19,95	\$ 236,41	M2	11,85	\$ 23,79	\$ 281,91
				Sub total	\$ 442,30				\$ 537,05
D	PAINTING DOOR & WINDOW ( Accessories Mantanence)								
1	Door - D1	M2	4,96	\$ 3,51	\$ 17,41	M2	4,96	\$ 4,37	\$ 21,68
				Sub total	\$ 17,41				\$ 21,68
E	ELECTRICAL WORK								
1	Supply & installation:								
	Duplex convenience outlet high	Unit	2,00	\$ 12,00	\$ 24,00	Unit	2,00	\$ 10,92	\$ 21,84
	Single switch	Unit	2,00	\$ 5,00	\$ 10,00	Unit	2,00	\$ 5,15	\$ 10,30
	Gang switch	Unit	3,00	\$ 8,00	\$ 24,00	Unit	3,00	\$ 5,67	\$ 17,01
	1 x 36W bare batten fluorescent light fitting with guard wire as "Thorn" CB136HMK4 + WG36MK4 or approved equivalent (pasang lampu florescent 1 x 36W)	Unit	2,00	\$ 41,50	\$ 83,00	Unit	2,00	\$ 20,13	\$ 40,26
	Lamp philips 19 watt	Unit	2,00	\$ 15,50	\$ 31,00	Unit	2,00	\$ 11,73	\$ 23,46
	Double fluorescent light 2x30w	Unit	2,00	\$ 5,00	\$ 10,00	Unit	2,00	\$ 31,68	\$ 63,36
	Ceiling fan Maspion + Accessories	Unit	1,00	\$ 5,00	\$ 5,00	Unit	1,00	\$ 86,28	\$ 86,28
	Panel board	Unit	1,00	\$ 30,00	\$ 30,00	Unit	1,00	\$ 25,00	\$ 25,00
	Panel distribution	Unit	1,00	\$ 72,50	\$ 72,50	Unit	1,00	\$ 97,48	\$ 97,48
	Cable (supply & installation) - SNI, NYM 3x2.5mm good quality)	M'	30,00	\$ 1,75	\$ 52,50	M'	30,00	\$ 3,98	\$ 119,40
	Cable (supply & installation) - SNI, NYM 2x1.5mm good quality)	M'	25,00	\$ 1,00	\$ 25,00	M'	25,00	\$ 3,60	\$ 90,05
				Sub total	\$ 367,00				\$ 594,44
	Sub Total				\$ 1,837,38				\$ 3,037,36
XI	REHABILITATION TOILET 3								
A	STRUCTURE DEMOLISH & PAINTING REMOVAL								
1	Exterior painting - using paint remover + water and soap to clean	M <sup>2</sup>	116,40	\$ 1,40	\$ 162,96	M <sup>2</sup>	116,40	\$ 1,70	\$ 197,87
2	Interior painting all building - using paint remover + water and soap to clean	M <sup>2</sup>	116,40	\$ 1,40	\$ 162,96	M <sup>2</sup>	116,40	\$ 1,70	\$ 197,87