



DELIBERASAUN N. 84/VII/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 Extraordinária iha loron Quinta-feira, 17 de julho de 2025, e halo deliberasaun ba assunto tuir mai ne'e:

Asuntu: Pedidu Aprovasaun no autorizaun despesas nune'e mos Konfirma Finansiamentu iha FI 2025 ba projetu hanesan tuir mai:

1. *New Construction of Esquadra Tilomar, Covalima;*
2. *New Construction of Esquadra Fatululik, Covalima;*
3. *New Construction of Esquadra Fatumea, Covalima*

Proponente: Ministério do Planeamento e Investimento Estratégico- MPIE

Notas/justifikasiun:

- SGP simu Karta husi Ministerio do Interior ho no. Oficio: 554/DNA-DGAF/MI/VII/2025, data 7 de julho de 2025; ho asuntu: Agenda CAFI ba projetu MI ne'ebe maka orsamenta iha FI no hetan ona verifikasiun husi ADN, I.P.;
- Bazeia ba karta ne'ebe SGP simu Karta husi Ministerio do Interior ho no. Oficio: 551/DNA-DGAF/MI/VII/2025, data 7 de julho de 2025; ho asuntu: hato'o justifikasiun tekniku no legal ba projetu New Construction of Esquadra Covalima (Posto Tilomar, Fatumea no Fatululik);
- Modalidade aprovisionamentu solisitasaun Kuotasaun bazeia ba pedidu husi projetu nain/ MI;
- SGP simu Karta husi Ministerio do Interior ho no. Oficio: 510/DNA-DGAF/MI/VI/2025, data 23 de junho de 2025; ho asuntu: utiliza kodigu 366131X Nova Construção Tipo B Esquadra Suai Santa Rosa, ba Esquadra Tipo C Fatululik, Fatumea no Tilomar;
- Dezenho no BoQ ba projetu New Construction of Esquadra Tilomar, New Construction of Esquadra Fatululik, no New Construction of Esquadra Fatumea, Covalima, iha ona resultadu verifikasiun ADN, I.P.;
- 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;



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- DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 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 sei lao tuir Regime Juridiku Aprovizionamento em vigor, (Decreto-Lei No.22/2022 de 11 de Maio);
- Alokasaun orsamentu FI 2025: \$ 0, Programa 366: Segurança Nacional, kodigu atividade 366131X: Novo Konstrusaun Esquadra PNTL Santa Rosa Suai Villa Tipo B;
- Konsidera mos katak projetu **New Construction of Esquadra Tilomar, Covalima; New Construction of Esquadra Fatululik, Covalima no New Construction of Esquadra Fatumea, Covalima**, sei alista iha sistema DBFTL & GRP iha tinan 2026;
- Projetu nain sei assume responsabilidade hodi assegura orsamentu ba Ezekusaun no Implementasaun projetu;
- Projetu nain konfirma katak sei asume responsabilidade ba monitorizasaun e akompanhamentu ba ezekusaun projetu ne'e no sei garante kualidade servisu nian tuir padraun no espesifikasiunaun ne'ebi aprova ona;
- Lista proposta

Project Name	Kustu Verifikasiunaun ADN	Alokasaun Orsamentu 2025	Justifikasiunaun
New Construction of Esquadra Tilomar, Covalima	\$664,849.88;	<ul style="list-style-type: none">• Alokasaun FI 2025: \$ 0;• Programa 366: Segurança Nacional,• kodigu atividade 366131X: Novo Konstrusaun Esquadra PNTL Santa Rosa Suai Villa Tipo B	Sei inscreve projetu New Construction of Esquadra Tilomar, Covalima , iha livro orsamentu FI tinan 2026;
New Construction of Esquadra Fatululik, Covalima	\$875,936.65;	<ul style="list-style-type: none">• Alokasaun FI 2025: \$ 0;• Programa 366: Segurança Nacional,• kodigu atividade 366131X: Novo Konstrusaun Esquadra PNTL Santa Rosa Suai Villa Tipo B	Sei inscreve projetu New Construction of Esquadra Fatululik, Covalima , iha livro orsamentu FI tinan 2026;

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Administração

Project Name	Kustu Verifikasi ADN	Alokasaun Orsamentu 2025	Justifikasi Alokasaun
New Construction of Esquadra Fatumea, Covalima	\$689,128.94	<ul style="list-style-type: none"> • Alokasaun FI 2025: \$ 0; • Programa 366: Segurança Nacional, • kodigo atividade 366131X: Novo Konstrusaun Esquadra PNTL Santa Rosa Suai Villa Tipo B 	<ul style="list-style-type: none"> • Sei inscreve projeto <i>New Construction of Esquadra Fatumea, Covalima</i>, iha livro orsamentu FI tinan 2026;

Rekomendasaun:

- 1) CAFI atu aprova no autoriza despezas no kustu total nune'e mos konfirma finansiamentu iha FI 2025 bazeia ba pedidu husi Ministério Interior ba projetu:
 - a) *New Construction of Esquadra Tilomar, Covalima, ho montante verifikasi \$664,849.88;*
 - b) *New Construction of Esquadra Fatululik, Covalima, ho montante verifikasi \$875,936.65;*
 - c) *New Construction of Esquadra Fatumea, Covalima, ho montante verifikasi \$689,128.94.*
- 2) Desizaun kona ba abertura ka inisiasaun prosesu aprovisionamento bazeia, Artigo 24 & 25, Decreto Lei No.43/2024, de 20 de Dezembro, regra ezekusaun OGE 2025;
- 3) CAFI nudar orgão competente ba aprovasaun no autorizasaun despezas bazeia ba DL no. 23/2022, de 19 de maio;
- 4) DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 18 de Maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projetu FI nian sei lao tuir Regime Juridiku Aprovizionamento em vigor;
- 5) Modalidade aprovisionamento sei lao tuir Regime Juridiku Aprovizionamento em vigor, (Decreto-Lei No.22/2022 de 11 de Maio);
- 6) Projetu nain sei assume responsabilidade hodi assegura orsamentu ba Ezekusaun no Implementasaun projetu;
- 7) Projetu nain sei assume responsabilidade ba koordenasaun 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 espesifikasiuna nebe aprova ona;

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Desizaun:

1. CAFI aprova no autoriza despeza no kustu total ba projetu nune'e mos konfirma finansiamentu iha FI 2025 bazeia ba pedidu husi projeto nain MI;
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. CAFI nudar orgão competente ba aprovasaun no autorizasaun despezas bazeia ba DL no. 23/2022, de 19 de maio;
4. DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 18 de Maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projeto FI nian sei lao tuir Regime Juridiku Aprovizionamento em vigor;
5. Modalidade aprovisionamento sei lao tuir Regime Juridiku Aprovizionamento em vigor, (Decreto-Lei No.22/2022 de 11 de Maio);
6. Projeto nain sei assume responsabilidade hodi assegura orsamentu ba Ezekusaun no Implementasaun projeto;
7. 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 espesifikasiuna nebe aprova ona;
8. Lista aprovasaun CAFI:

Naran projeto	Kustu estimativa verifikadu husi ADN,IP	Alokasaun orsamentu FI	Orgaun Kompetênti - DL No. 23/2022, 19 de Maio
New Construction of Esquadra Tilomar, Covalima	\$664,849.88;	<ul style="list-style-type: none"> • Alokasaun FI 2025: \$ 0; • Programa 366: Segurança Nacional; • kodigo atividade 366131X: Novo Konstrusaun Esquadra PNTL Santa Rosa Suai Villa Tipo B; • Sei inscreve projeto <i>New Construction of Esquadra Tilomar, Covalima</i>, iha livro orsamentu FI tinan 2026; 	<ul style="list-style-type: none"> • CAFI : Konfirmasasaun Finansiamentu; • CAFI: alinea 1 (b) Artigo Artigo 5.^º Competência para a autorização da despesa.
New Construction of Esquadra	\$875,936.65;	<ul style="list-style-type: none"> • Alokasaun FI 2025: \$ 0; • Programa 366: Segurança Nacional, 	<ul style="list-style-type: none"> • CAFI : Konfirmasasaun Finansiamentu;

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Naran projetu	Kustu estimativa verifikadu husi ADN,IP	Alokasaun orsamentu FI	Orgaun Kompetênti - DL No. 23/2022, 19 de Maio
Fatululik, Covalima		<ul style="list-style-type: none">• kodigo atividade 366131X: Novo Konstrusaun Esquadra PNTL Santa Rosa Suai Villa Tipo B;• Sei inscreve projeto <i>New Construction of Esquadra Fatululik, Covalima</i>, iha livro orsamentu FI tinan 2026;	<ul style="list-style-type: none">• CAFI: alinea 1 (b) Artigo Artigo 5.º Competência para a autorização da despesa.
New Construction of Esquadra Fatumea, Covalima	\$689,128.94	<ul style="list-style-type: none">• Alokasaun FI 2025: \$ 0;• Programa 366: Segurança Nacional,• kodigo atividade 366131X: Novo Konstrusaun Esquadra PNTL Santa Rosa Suai Villa Tipo B;• Sei inscreve projeto <i>New Construction of Esquadra Fatumea, Covalima</i>, iha livro orsamentu FI tinan 2026;	<ul style="list-style-type: none">• CAFI : Konfirmasasaun 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
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Conselho de
Administração

Aprovado husi CAFI iha loron 17 de Julho 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

(La Participa iha Reuniaun)



Miguel Marques Gonçalves Manetelu

Ministro dos Transportes e Comunicações



Samuel Marçal

Ministro das Obras Públicas

DELIBERAÇAUN N.º84/VII/CAFI/2025



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



**Conselho de
Administração**

Annexo:

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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE
Ministério do Planeamento e Investimento Estratégico
Fundo das Infraestruturas

NOTA DE DESPAICHO

1. ORIGEM DO DOCUMENTO

N Ref : 554/DNA/DGAF/MI/VII/2025

Data do Documento : 8 / 07 /2025

Proveniência do Documento

DGAF-MI

2. DETALHES DO DOCUMENTO

Data Entrada do Documento: 8 / 07 /2025

Enviado ao:

1. Sr/ Mauricio Borges
2. Sr/a _____
3. Sr/a _____
4. Assessores Nacionais / Internacionais

Assunto:

Agenda CAFI

3. INSTRUÇÃO DO DIRETOR DO SGP

Data do Despacho: 8 / 7 /2025

Para Sr/a

1. Sr/a _____ *Mauricio Borges*
2. Sr/a _____ *Naevotu do R*
3. Sr/a _____

Despacho:

Hore Agitu iha ne

Assinatura :

Mauricio Borges



MINISTÉRIO DO INTERIOR
DIREÇÃO-GERAL de ADMINISTRAÇÃO e FINANÇAS
DIREÇÃO NACIONAL DE APROVISIONAMENTO



Data : 07 Fulan Julho 2025

Nú Oficio : 554/DNA-DGAF/MI/VII/2025

Para/To: Exmo Diretor Secretariado Grandes Projeto (SGP)
Sr. Maurício Borges

Assunto : Agenda CAFI

Ho respeito,

Baseia ba assunto iha leten, hosi Diresaun Nasional Aprovisionamento Ministerio do Interior hato'o ba **Exmo Sr. Diretor Secretariado Grandes Projeto (SGP)** hodi **Agenda CAFI** ba Projeto Ministerio do Interior ne'ebé maka orçamentada iha Fundos Infraestrutura (FI) no projeto konstrusaun nebe mak hetan ona Verifikasiun iha A.D.N, I.P. maka hanesan tuir mai ne'e;

1. New Construction of Esquadra Covalima (Posto Tilomar, Posto Fatumea no Posto Fatululik)
2. Pedido Aprovaun Orsamento Adisional Novo Konstrusaun Quartel Geral PNTL
3. Pedido Aprovaun ba Konsultor Supervisor ba Novo Konstrusaun Quartel Geral PNTL

(Anexo dokumentos verifikasiun ADN)


João da Cruz, S.E.M.S.I.
Diretor DNA





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



Data/ Date:

07 fulan Julho tinan 2025

Nú, Oficio: 551 /DNA-DGAF/MI/VII/2025

Para/ To :

Ex^{mo}. Dirétor Secretariado dos Grandes Projectos (SGP)

Sr.Mauricio Borges

Assunto : **Hato'o Justifikasiun Tekniko no Legal**

**NEW CONSTRUCTION OF ESQUADRA COVALIMA (POSTO TILOMAR, POSTO FATUMEA
NO POSTO FATULULIK)**

Ho Respeito,

Baseia ba assunto iha leten, Diretor DNA-MI hakarak relata ba ex^{mo}.Dirétor SGP kona ba Justifikasiun Tekniko no Legal ba Projetu New Construction of Esquadra Covalima ne'ebé hetan ona verifikasiun Final husi ADN ho total orsamentu \$ 2,229,915.47 Dollar Americano.

I. Informasaun Jerál

New Construction of Esquadra Covalima (Posto Tilmor, Posto Fatumea no Posto Fatululik), importante tanba envolve objetivu prinsipál balun.

Primeiru, Konstrusaun posto Esquadra (Posto Tilmor, Posto Fatumea no Posto Fatululik) ho objectivo atu dezenvolve infrastrutura konstrusaun Posto Esquadra PNTL nian hodi bele kria kondisoens ne'ebé digno no ba utilizadores sira hanesan PNTL ho nune'e bele asegura estabilidade no controlo ba Movimento ema iha nasau Timor-Leste nian ho infrastrutura ne'ebé adekuado, governu bele optimiza monitorizasaun ba amiasa seguransa potensiál sira no krime sira ne'ebé akontese iha posto.

Segundu, konstrusaun esquadra sira mós ho objetivu atu hadi'a servisu no facilidade sira ba utilizadór servisu, nian iha komunidade lokál sira, ho infrastrutura modernu no confortavel.

A. Justifikasiun Teknika :

New Construction Esquadra Posto

- | | | |
|---------------------------|---|--|
| 1. Titulo Projetu | : | New Construction of Esquadra Covalima iha Posto Tilmor |
| Kategoria | : | Projetu Foun |
| Tinan Civil | : | 2025 |
| Total osan Verifikasi BoQ | : | \$ 664,849.88 (Resultadu Verifikasiun ADN) |

2. Titulo Projetu : New Construction of Esquadra Covalima iha Posto Fatumea
Kategoria : Projetu Foun
Tinan Civil : 2025
Total osan Verifikadu BoQ : \$ 689,128.94 (Resultadu Verifikasiun ADN)

3. Titulo Projetu : New Construction of Esquadra Covalima iha Posto Fatululik
Kategoria : Projetu Foun
Tinan Civil : 2025
Total osan Verifikadu BoQ : \$ 875,936.65 (Resultadu Verifikasiun ADN)

B. Justifikasiun Legal :

- Konformidade legal ba Novo Konstrusaun 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) Solisitasaun Koutasaun Artigo 35°

prosedimentu aprovisionamentu solisitasaun kotasaun husi artigo 35 Rejime Juridiku Aprovisionamentu

- Razaun utilisaun prosedimentu aprovisionamentu ba Solisitasaun Koutasaun

Hanesan mensiona iha Artigu 35º kona ba Solisitasaun Koutasaun Ministeriu Interior propoin atu uza Solisitasaun Koutasaun, nu'udar prosedimentu aprovisionamentu ba projetu Infraestrutura iha Posto Administrativo ho nia razaun prinsipál mak hanesan tuirmai ne'e :

- (1) Uza Solisitasaun Koutasaun sei permite atu hetan proposta ida husi kontraktor ne'ebé konsidera projetu postu Administrativo ho nia nesesidade úniku sira.
- (2) Solisitasaun Koutasaun permite atu hili kontraktor ne'ebé iha vizaun no solusaun ne'ebé dí'ak 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 Administrativo ho kuantidade 3 postu ne'ebé nia Deseñu no BoQ hetan ona verifikasiun Final husi ADN ho total orsamentu \$ 2,229,915.47 Dollar Americano.
- 2) Utilisaun ba prosedimentu aprovisionamentu halao iha CNA ho modalidade **Solisitasaun Koutasaun** baseia ba artigu 35º 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 SGP e lahaluhan hato'o Melhores Comprimentos.





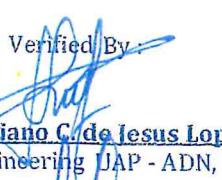
AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

SUMMARY

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED		RESULT, ADN, I.P	
		AMOUNT (\$)	AMOUNT (\$)	AMOUNT (\$)	AMOUNT (\$)
I	PREPARATION WORKS	\$ 40,109.85		\$ 35,572.94	
II	MAIN BUILDING				
-	- ARCHITECTURAL WORK	\$ 105,597.18		\$ 101,926.47	
-	- STRUCTURAL WORK	\$ 145,084.87		\$ 168,878.61	
-	- PLUMBING WORK	\$ 21,999.65		\$ 19,170.62	
-	- ELECTRICAL WORK	\$ 55,268.67		\$ 52,075.07	
-	- AIR CONDITIONING (AC) WORK	\$ 5,938.37		\$ 6,969.88	
-	- CCTV WORK	\$ 4,098.04		\$ 3,802.27	
-	- FIRE ALARM WORK	\$ 4,197.51		\$ 3,692.61	
-	- FIRE PROTECTION WORK	\$ 225.00		\$ 225.00	
-	- SOUND SYSTEM WORK	\$ 4,504.23		\$ 4,187.99	
-	- LIGHTNING PROTECTION WORK	\$ 2,508.55		\$ 2,470.55	
-	- TELEPHONE WORK	\$ 2,821.17		\$ 2,382.89	
-	- LAN/DATA WORK	\$ 3,767.65		\$ 4,212.14	
III	LANDSCAPE WORK	\$ 122,705.36		\$ 118,771.89	
A	TOTAL CONSTRUCTION COST	\$ 518,826.11		\$ 524,338.93	
B	CONTRACTOR FEE (10% x A)	\$ 51,882.61		\$ 52,433.89	
C	OVERHEAD	\$ 22,700.00		\$ 23,635.00	
D	TAX (2% x (A+B+C))	\$ 11,368.17		\$ 12,008.16	
E	CONTINGENCY (10 % * A)	\$ 51,882.61		\$ 52,433.89	
F	TOTAL (A+B+C+D+E)	\$ 657,159.51		\$ 664,849.88	

Verified By:

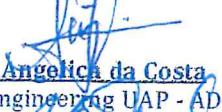

Eng. Bebiano C. de Jesus Lopes
 Civil Engineering UAP - ADN, I.P.

Checked By:

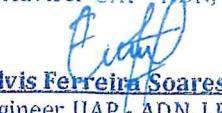

Eng. Iohanes Hornay
 Chefe Depart. EPMEITCM. UAP - ADN.I.P

Certified By:


Arch. José Fernando Liu Soares
 Coordenador UAP - ADN.I.P


Eng. Angelica da Costa
 Electrical Engineering UAP - ADN, I.P.


Eng. Joanito D. Pereira
 National Adviser UAP - ADN, I.P.


Eng. Elvis Ferreira Soares
 ICT Engineer UAP - ADN, I.P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

PREPARATION WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	GENERAL WORKS								
1	Mobilization and Demobilization	Ls	1.00	\$ 4,000.00	\$ 4,000.00	Ls	1.00	\$ 2,000.00	\$ 2,000.00
2	Site cleaning and demolishing existing building include carry out the debris out from project site	m2	2500.00	\$ 1.40	\$ 3,500.00	m2	2,500.00	\$ 1.40	\$ 3,500.00
3	Site office and storage	m2	48.00	\$ 50.00	\$ 2,400.00	m2	48.00	\$ 25.00	\$ 1,200.00
4	Mess for labour	m2	48.00	\$ 50.00	\$ 2,400.00	m2	48.00	\$ 25.00	\$ 1,200.00
5	Temporary fence	m'	180.00	\$ 13.72	\$ 2,469.60	m'	180.00	\$ 14.07	\$ 2,532.60
6	Water and electrical supply for works	Ls	1.00	\$ 2,000.00	\$ 2,000.00	Ls	1.00	\$ 1,800.00	\$ 1,800.00
7	Information Board project	unit	1.00	\$ 90.25	\$ 90.25	unit	1.00	\$ 90.34	\$ 90.34
	Sub Total				\$ 16,859.85				\$ 12,322.94
B	SOIL STABILIZATION WORK								
1	Selected material filling and compaction using mechanical equipment	m3	2500.00	\$ 9.30	\$ 23,250.00	m3	2,500.00	\$ 9.30	\$ 23,250.00
	Sub Total				\$ 23,250.00				\$ 23,250.00
	GRAND TOTAL				\$ 40,109.85				\$ 35,572.94



PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

ARCHITECTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	EARTH WORK								
1	Excavation for ordinary foundation	m3	114.54	\$ 5.91	\$ 676.96	m3	114.54	\$ 5.91	\$ 676.96
2	Foundation back filling	m3	171.82	\$ 1.70	\$ 292.09	m3	171.82	\$ 1.70	\$ 292.09
3	Sand filling under foundation and tie beam 50 mm	m3	4.46	\$ 8.93	\$ 39.83	m3	4.46	\$ 8.93	\$ 39.83
4	Sand filling under floor 50mm	m3	19.20	\$ 8.93	\$ 171.46	m3	19.20	\$ 8.93	\$ 171.46
5	Soil fill for levelling floor 150mm	m3	57.60	\$ 8.29	\$ 675.65	m3	57.60	\$ 8.29	\$ 477.50
	Sub Total				\$ 1,855.97				\$ 1,657.83
B	WALL MASONRY AND RENDER WORK								
1	Stone masonry work (1 cement : 4 sand)	m3	3.19	\$ 67.15	\$ 213.94	m3	3.19	\$ 82.69	\$ 263.45
3	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand) for 1st floor	m2	883.51	\$ 13.54	\$ 11,962.66	m2	883.51	\$ 14.81	\$ 13,084.71
4	Ordinary wall plaster (1 cement : 4 sand) for 1st floor	m2	1,767.01	\$ 4.99	\$ 8,817.38	m2	1,767.01	\$ 5.39	\$ 9,524.18
5	Cement render for /Aclan	m2	1,767.01	\$ 3.27	\$ 5,778.12	m2	1,767.01	\$ 3.32	\$ 5,866.47
6	Interior wall furniture for sala resepsau and sala encontro, Inklui (Meza 2.5x1.1x1.5, meza 2.5x1.5, cadeira roda/metan 12 unit,kadeira besi/azul 100 unit) meza 2.5 x 1.1 x 1.5 MEZA 2.5X1.5 cadeira roda/metan cadeira besi/azul transportation for furniture	ls	1.00	\$ 7,000.00	\$ 7,000.00	ls	1.00	\$ -	\$ -
						unit	1.00	\$ 1,511.45	\$ 1,511.45
						unit	1.00	\$ 1,167.18	\$ 1,167.18
						unit	12.00	\$ 89.00	\$ 1,068.00
						unit	100.00	\$ 29.00	\$ 2,800.00
						ls	1.00	\$ 313.21	\$ 313.21
	Sub Total				\$ 46,128.48				\$ 47,987.07
C	FLOOR WORK								
1	Granite Tile : 60x60 cm G1.G2.G3	m2	94.40	\$ 21.79	\$ 2,056.98	m2	94.40	\$ 26.47	\$ 2,498.77
2	Bathroom floor ceramic : 40x40 cm G4	m2	2.40	\$ 21.79	\$ 52.30	m2	2.40	\$ 26.47	\$ 63.53
4	Pantry ceramic table : 30x30 cm	m2	63.75	\$ 21.79	\$ 1,389.11	m2	63.75	\$ 26.47	\$ 1,607.46
10	Natural stone wall (30x15 cm)	m2	24.00	\$ 64.39	\$ 1,543.36	m2	24.00	\$ 71.42	\$ 1,714.08
11	Stair hand railing	kg	179.11	\$ 2.15	\$ 385.08	kg	179.11	\$ 2.44	\$ 437.02
12	Department logo with copper text and accessories (Plate Stainlesssteel)	unit	3.00	\$ 500.00	\$ 1,500.00	unit	3.00	\$ 180.00	\$ 540.00
13	Concrete ornament for listplank	m1	94.00	\$ 57.74	\$ 5,427.56	m1	94.00	\$ 57.74	\$ 5,427.56
	Sub Total				\$ 46,128.48				\$ 47,987.07
D	CEILING WORK								
1	Ceiling frame hollow 40/40mm	m2	342.61	\$ 32.36	\$ 11,086.86	m2	342.61	\$ 30.24	\$ 10,360.53
2	Ceiling gypsum 9mm	m2	37.75	\$ 19.98	\$ 754.25	m2	37.75	\$ 24.37	\$ 919.97
3	Ceiling PVC 9 mm	m2	2.40	\$ 18.80	\$ 45.12	m2	2.40	\$ 23.45	\$ 56.28
6	Water proofing for floor plate	m2	312.25	\$ 11.33	\$ 3,537.79	m1	312.25	\$ 3.69	\$ 1,152.20
	Sub Total				\$ 18,300.58				\$ 15,364.55
E	DOOR, WINDOW AND VENTILATION WORK (Material Brown Alumunium, confirmation with the Owner)								
1	Door type D-1, including all accessories	unit	1.00	\$ 800.00	\$ 800.00	unit	1.00	\$ 525.00	\$ 525.00
2	Door type D-2, including all accessories	unit	2.00	\$ 500.00	\$ 1,000.00	unit	2.00	\$ 485.00	\$ 970.00
3	Door type D-3, including all accessories	unit	1.00	\$ 300.00	\$ 300.00	unit	1.00	\$ 250.00	\$ 250.00
4	Door type D-4, including all accessories	unit	2.00	\$ 300.00	\$ 600.00	unit	2.00	\$ 250.00	\$ 500.00
5	Door type D-5, including all accessories	unit	3.00	\$ 225.00	\$ 675.00	unit	3.00	\$ 250.00	\$ 750.00
6	Door type D-6, including all accessories	unit	1.00	\$ 225.00	\$ 225.00	unit	1.00	\$ 250.00	\$ 250.00
7	Door type D-7, including all accessories	unit	5.00	\$ 275.00	\$ 1,375.00	unit	5.00	\$ 250.00	\$ 1,250.00
8	Door type D-8, including all accessories	unit	4.00	\$ 275.00	\$ 1,100.00	unit	4.00	\$ 250.00	\$ 1,000.00
9	Door type D-9, including all accessories	unit	1.00	\$ 250.00	\$ 250.00	unit	1.00	\$ 230.00	\$ 230.00
10	Door type D-10, including all accessories	unit	6.00	\$ 200.00	\$ 1,200.00	unit	6.00	\$ 230.00	\$ 1,380.00
12	Door type D-11, including all accessories	unit	8.00	\$ 200.00	\$ 1,600.00	unit	8.00	\$ 200.00	\$ 1,600.00
13	Door type DW-1, including all accessories	unit	1.00	\$ 1,500.00	\$ 1,500.00	unit	1.00	\$ 678.00	\$ 678.00
14	Door type DW-2, including all accessories (Material Square Hollow Steel)	unit	1.00	\$ 800.00	\$ 800.00	unit	1.00	\$ 800.00	\$ 800.00
15	Door type DW-3, including all accessories (Material Square Hollow Steel)	unit	1.00	\$ 800.00	\$ 800.00	unit	1.00	\$ 800.00	\$ 800.00
16	Window type W-1, including all accessories	unit	4.00	\$ 175.00	\$ 700.00	unit	4.00	\$ 117.50	\$ 470.00
17	Window type W-2, including all accessories	unit	2.00	\$ 250.00	\$ 500.00	unit	2.00	\$ 145.00	\$ 290.00
18	Window type W-3, including all accessories	unit	4.00	\$ 250.00	\$ 1,000.00	unit	4.00	\$ 154.00	\$ 616.00
19	Window type W-4, including all accessories	unit	2.00	\$ 275.00	\$ 550.00	unit	2.00	\$ 138.85	\$ 277.70
20	Window type W-5, including all accessories	unit	2.00	\$ 450.00	\$ 900.00	unit	2.00	\$ 295.00	\$ 590.00
21	Ventilation type BV-1, including all accessories	unit	3.00	\$ 125.00	\$ 375.00	unit	3.00	\$ 75.00	\$ 225.00
22	Ventilation type BV-2, including all accessories	unit	4.00	\$ 50.00	\$ 200.00	unit	4.00	\$ 50.00	\$ 200.00
23	Ventilation type BV-3, including all accessories	unit	4.00	\$ 75.00	\$ 300.00	unit	4.00	\$ 75.00	\$ 300.00
	Sub Total				\$ 16,750.00				\$ 13,951.70



PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

ARCHITECTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
F	ROOF AND CEILING WORK								
1	Metal Roofing 0.42 mm (Australian standard)	m2	132.62	\$ 20.02	\$ 2,655.01	m2	132.62	\$ 20.26	\$ 2,686.84
2	Colourbond custom orb" 0.42 mm rooftop capping standard	m1	24.00	\$ 11.69	\$ 285.36	m1	24.00	\$ 15.47	\$ 371.28
3	Gutter roof Colourbond 0.42 mm; include frame standard	m1	33.00	\$ 17.93	\$ 683.24	m1	33.00	\$ 14.62	\$ 555.56
4	Supply and install Lisplank GRC Board 200f(2)x10mm	m1	38.00	\$ 12.55	\$ 476.90	m1	38.00	\$ 15.47	\$ 587.86
	Sub Total				\$ 4,100.51				\$ 4,261.54
G	PAINT WORK								
1	Interior wall painting	m2	1447.01	\$ 3.46	\$ 5,006.65	m2	1,447.01	\$ 3.60	\$ 5,209.24
2	Exterior wall painting with weather bond type painting	m2	320.00	\$ 3.75	\$ 1,200.00	m2	320.00	\$ 3.75	\$ 1,200.00
3	Ceiling painting	m2	328.25	\$ 3.36	\$ 1,102.92	m2	328.25	\$ 3.50	\$ 1,148.88
	Sub Total				\$ 7,309.57				\$ 7,558.11
	TOTAL ARCHITECTURAL WORK				\$ 105,597.18				\$ 101,926.47



PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

STRUCTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	CONCRETE WORKS								
1	Foundation Sub Structure								
2	Lean Concrete, t = 10 cm - K125	m3	4.05	\$ 100.14	\$ 405.88	m3	4.05	\$ 139.34	\$ 564.76
3	Concrete foot plate 01, (600x600x250mm)	Concrete K 275	6.56	\$ 115.08	\$ 754.92	m3	6.56	\$ 153.64	\$ 1,007.88
		Reinforced	972.19	\$ 1.59	\$ 1,549.67	kg	972.19	\$ 1.87	\$ 1,818.00
		Formwork	32.80	\$ 19.57	\$ 641.90	m2	32.80	\$ 19.57	\$ 641.90
4	Concrete foot plate 02, (600x600x250mm)	Concrete K 275	0.54	\$ 115.08	\$ 62.14	m3	0.54	\$ 153.64	\$ 82.97
		Reinforced	116.69	\$ 1.59	\$ 186.00	kg	116.69	\$ 1.87	\$ 218.21
		Formwork	3.60	\$ 19.57	\$ 70.45	m2	3.60	\$ 19.57	\$ 70.45
4	Concrete Padestal - K275	Concrete K 275	3.54	\$ 115.08	\$ 407.04	m3	3.54	\$ 153.64	\$ 543.42
		Reinforced	848.75	\$ 1.59	\$ 1,352.91	kg	848.75	\$ 1.87	\$ 1,587.17
		Formwork	48.60	\$ 40.50	\$ 1,969.30	m2	48.60	\$ 43.63	\$ 2,120.42
5	Concrete tie beam, 200x300mm	Concrete K 275	12.64	\$ 115.08	\$ 1,454.50	m3	12.64	\$ 153.64	\$ 1,941.86
		Reinforced	2,688.40	\$ 1.59	\$ 4,285.31	kg	2,688.40	\$ 1.87	\$ 5,027.31
		Formwork	126.39	\$ 29.56	\$ 3,736.09	m2	126.39	\$ 53.20	\$ 6,733.95
6	Concrete ground beam - K275	Concrete K 275	22.07	\$ 115.08	\$ 2,540.28	m3	22.07	\$ 153.64	\$ 3,391.45
		Reinforced	4,693.29	\$ 1.59	\$ 7,484.29	kg	4,693.29	\$ 1.87	\$ 8,780.19
		Formwork	220.74	\$ 29.56	\$ 6,525.07	m2	220.74	\$ 32.69	\$ 7,215.99
7	Concrete ground floor, t = 10 cm - K175 elev ±0.00	Concrete K 175	38.40	\$ 104.27	\$ 4,003.97	m3	38.40	\$ 141.41	\$ 5,430.14
		Reinforced	3,033.60	\$ 1.59	\$ 4,835.56	kg	3,033.60	\$ 1.87	\$ 5,672.83
8	Concrete Column C1, (300x300mm)	Concrete K 275	15.87	\$ 115.08	\$ 1,825.97	m3	15.87	\$ 153.64	\$ 2,437.81
		Reinforced	2,424.05	\$ 1.59	\$ 3,863.94	kg	2,424.05	\$ 1.87	\$ 4,532.98
		Formwork	211.56	\$ 40.50	\$ 8,568.18	m2	211.56	\$ 43.63	\$ 9,230.36
9	Concrete Column C2, (200x200mm)	Concrete K 275	2.43	\$ 115.08	\$ 279.87	m3	2.43	\$ 153.64	\$ 373.65
		Reinforced	326.09	\$ 1.59	\$ 519.79	kg	326.09	\$ 1.87	\$ 609.79
		Formwork	48.64	\$ 40.50	\$ 1,969.92	m2	48.64	\$ 43.63	\$ 2,122.16
10	Concrete Column C3, (150x150mm)	Concrete K 275	7.58	\$ 115.08	\$ 872.77	m3	7.58	\$ 153.64	\$ 1,165.21
		Reinforced	1,023.33	\$ 1.59	\$ 1,631.30	kg	1,023.33	\$ 1.87	\$ 1,913.64
		Formwork	101.12	\$ 40.50	\$ 4,095.36	m2	101.12	\$ 43.63	\$ 4,411.87
11	Ring Balok, 200x100mm	Concrete K 275	5.84	\$ 115.08	\$ 671.84	m3	5.84	\$ 153.64	\$ 896.95
		Reinforced	1,104.74	\$ 1.59	\$ 1,760.96	kg	1,104.74	\$ 1.87	\$ 2,065.87
		Formwork	116.76	\$ 50.07	\$ 5,846.17	m2	116.76	\$ 53.20	\$ 6,211.63
12	Concrete Consol - K275	Concrete K 275	1.82	\$ 115.08	\$ 208.87	m3	1.82	\$ 153.64	\$ 278.86
		Reinforced	173.17	\$ 1.59	\$ 276.04	kg	173.17	\$ 1.87	\$ 323.83
		Formwork	14.00	\$ 50.07	\$ 700.98	m2	14.00	\$ 53.20	\$ 744.80
13	Concrete Beam B2 - K275	Concrete K 275	19.85	\$ 115.08	\$ 2,283.76	m3	19.85	\$ 153.64	\$ 3,048.99
		Reinforced	4,114.53	\$ 1.59	\$ 6,558.56	kg	4,114.53	\$ 1.87	\$ 7,694.17
		Formwork	255.15	\$ 50.07	\$ 12,775.36	m2	255.15	\$ 53.20	\$ 13,573.98
14	Concrete Beam B3 - K275	Concrete K 275	2.85	\$ 115.08	\$ 327.98	m3	2.85	\$ 153.64	\$ 437.87
		Reinforced	541.37	\$ 1.59	\$ 862.95	kg	541.37	\$ 1.87	\$ 1,012.37
		Formwork	45.60	\$ 50.07	\$ 2,283.19	m2	45.60	\$ 53.20	\$ 2,425.92
15	Concrete Beam B4 - K275	Concrete K 275	3.03	\$ 115.08	\$ 348.35	m3	3.03	\$ 153.64	\$ 465.07
		Reinforced	408.44	\$ 1.59	\$ 651.06	kg	408.44	\$ 1.87	\$ 763.79
		Formwork	55.50	\$ 50.07	\$ 2,778.63	m2	55.50	\$ 53.20	\$ 2,952.33
16	Concrete plate and roof, t = 120 mm - K175 for elev ±4.00	Concrete K 175	26.42	\$ 104.27	\$ 2,755.23	m3	26.42	\$ 141.41	\$ 3,736.62
		Reinforced	2,173.81	\$ 1.59	\$ 3,465.06	kg	2,173.81	\$ 1.87	\$ 4,065.03
		Formwork	220.20	\$ 50.07	\$ 11,025.41	m2	220.20	\$ 53.20	\$ 11,714.64
17	Concrete plate and roof, t = 120 mm - K175 for elev ±4.500 ± 5.00	Concrete K 175	8.40	\$ 104.27	\$ 875.87	m3	8.40	\$ 141.41	\$ 1,187.84
		Reinforced	1,036.56	\$ 1.59	\$ 1,652.28	kg	1,036.56	\$ 1.87	\$ 1,938.37
		Formwork	70.00	\$ 50.07	\$ 3,504.90	m2	70.00	\$ 53.20	\$ 3,724.00



PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

STRUCTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
18	Concrete table, t = 100 mm - K175								
	Concrete K 175	m3	0.24	\$ 104.27	\$ 25.02	m3	0.24	\$ 141.41	\$ 33.94
	Reinforced	kg	23.69	\$ 1.59	\$ 37.77	kg	23.69	\$ 1.87	\$ 44.31
	Formwork	m2	2.40	\$ 50.07	\$ 120.17	m2	2.40	\$ 53.20	\$ 127.68
19	Concrete For Armory Room								
	Concrete K 275	m3	16.06	\$ 115.08	\$ 1,848.18	m3	16.06	\$ 141.41	\$ 2,271.04
	Reinforced	kg	835.12	\$ 1.59	\$ 1,331.18	kg	835.12	\$ 1.87	\$ 1,561.67
	Formwork	m2	80.30	\$ 50.07	\$ 4,020.62	m2	80.30	\$ 53.20	\$ 4,271.96
	Sub Total				\$ 134,887.68				\$ 157,209.88
B	ROOFING WORK								
1	Steel plate 300x300x12 mm	kg	33.23	\$ 3.64	\$ 120.97	kg	33.23	\$ 2.44	\$ 81.09
2	Anchor bolt d16mm	kg	30.34	\$ 1.59	\$ 48.36	kg	30.34	\$ 1.87	\$ 56.73
3	Steel frame, type WF 200x190x5.5x8 mm for trusses	kg	777.02	\$ 3.64	\$ 2,828.37	kg	777.02	\$ 4.12	\$ 3,201.34
4	Steel frame, type WF 150x75x5x7 mm for trusses	kg	1,282.40	\$ 3.64	\$ 4,667.94	kg	1,282.40	\$ 4.12	\$ 5,283.49
5	Steel frame, type WF 300x270x8 mm for trusses	kg	119.38	\$ 3.64	\$ 434.54	kg	119.38	\$ 4.12	\$ 491.85
6	Steel profile type C 150x50x3.2 mm for purlin	kg	816.10	\$ 1.81	\$ 1,477.14	kg	816.10	\$ 2.53	\$ 2,064.73
7	Steel bar d10mm for bracing purlin	kg	17.28	\$ 1.59	\$ 27.54	kg	17.28	\$ 1.87	\$ 32.31
8	Steel plate 150x150x10 mm	kg	127.17	\$ 3.64	\$ 462.90	kg	127.17	\$ 2.44	\$ 310.29
9	Steel L 30X30X3 mm	kg	60.21	\$ 2.15	\$ 129.45	kg	60.21	\$ 2.44	\$ 146.91
	Sub Total				\$ 10,197.20				\$ 11,668.73
	TOTAL STRUCTURAL WORK				\$ 145,084.87				\$ 168,878.61



PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILO MAR, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
A PLUMBING WORK										
1	1st WASTE WATER PIPE installation									
1	Pipe PVC Ø 4 inch	M1	60.00	\$ 13.70	\$ 822.00	M1	60.00	\$ 19.69	\$ 1,181.40	
2	Pipe PVC Ø 2 inch	M1	30.00	\$ 10.30	\$ 309.00	M1	30.00	\$ 8.66	\$ 259.80	
3	pipe pvc elbow 4 inch	pcs	8.00	\$ 21.70	\$ 173.60	pcs	8.00	\$ 25.90	\$ 207.20	
4	pipe pvc elbow 2 inch	pcs	4.00	\$ 8.00	\$ 32.00	pcs	4.00	\$ 6.81	\$ 27.24	
5	pipe pvc TEE 4 inch	pcs	5.00	\$ 21.70	\$ 108.50	pcs	5.00	\$ 12.60	\$ 63.00	
6	pipe pvc TEE 2 inch	pcs	3.00	\$ 8.00	\$ 24.00	pcs	3.00	\$ 3.00	\$ 9.00	
7	pipe Reduzer 4-2 inch	pcs	11.00	\$ 10.00	\$ 110.00	pcs				
8	Floor drain stainless	pcs	16.00	\$ 5.97	\$ 95.52	pcs	16.00	\$ 5.97	\$ 95.52	
9	Supply and install seat closet complete with accessories	unit	8.00	\$ 273.46	\$ 2,187.68	unit	8.00	\$ 364.31	\$ 2,914.48	
10	Supply and install squad closet complete with accessories	unit	2.00	\$ 75.62	\$ 151.24	unit	2.00	\$ 79.58	\$ 158.76	
11	Supply and install wastafel complete with accessories	unit	6.00	\$ 187.71	\$ 1,126.26	unit	6.00	\$ 115.71	\$ 694.26	
12	Supply and install urinario complete with accessories	unit	1.00	\$ 297.00	\$ 297.00	unit	1.00	\$ 357.08	\$ 357.08	
13	Supply and install double bowl kitchen sink complete with accessories	unit	1.00	\$ 450.00	\$ 450.00	unit	1.00	\$ 176.72	\$ 176.72	
RAIN WATER Installation										
14	Pipe PVC Ø 6 inch	M1	40.00	\$ 18.00	\$ 720.00	M1	40.00	\$ 23.40	\$ 936.00	
15	Pipe PVC Ø 4 inch	M1	80.00	\$ 13.70	\$ 1,096.00	M1	80.00	\$ 19.69	\$ 1,575.20	
2nd COLD WATER PIPE installation										
16	pvc pipe elbow 1/2 inch	pcs	2.00	\$ 5.00	\$ 10.00	pcs	2.00	\$ 5.00	\$ 10.00	
17	pvc pipe elbow 1 inch	pcs	7.00	\$ 6.00	\$ 42.00	pcs	7.00	\$ 6.00	\$ 42.00	
18	pvc pipe TEE 1 inch	pcs	16.00	\$ 5.00	\$ 80.00	pcs	16.00	\$ 5.00	\$ 80.00	
19	pipe Reduzer 1-1/2 inch	pcs	16.00	\$ 8.00	\$ 128.00	pcs				
20	Pipe PVC 1 inch	M1	60.00	\$ 3.23	\$ 193.80	M1	60.00	\$ 3.20	\$ 192.00	
21	Pipe PVC Ø 1/2 inch	M1	20.00	\$ 2.71	\$ 54.20	M1	20.00	\$ 2.23	\$ 44.60	
22	Gate valve Ø 25 mm	pcs	3.00	\$ 26.00	\$ 78.00	pcs	3.00	\$ 26.00	\$ 78.00	
23	Supply and Install Water Faucet	pcs	18.00	\$ 5.98	\$ 107.64	pcs	18.00	\$ 8.08	\$ 145.44	
WLC + Installation Cable Control										
24	WLC + installation cable control	lot	1.00	\$ 20.00	\$ 20.00	lot	1.00	\$ 20.00	\$ 20.00	
25	Distribution pump cold water Paccaged (1 unit pump)	SET	1.00	\$ 250.00	\$ 250.00	SET	1.00	\$ 250.00	\$ 250.00	
TORRE										
27	Foot Plate, 300x300x350mm	Concrete 24 Mpa	m3	0.90	\$ 115.08	\$ 103.11	m3	0.90	\$ 153.64	\$ 137.66
		Reinforced D16mm	Kg	50.50	\$ 1.59	\$ 80.49	Kg	50.50	\$ 1.87	\$ 94.43
		Formwork	m2	1.60	\$ 19.57	\$ 31.31	m2	1.60	\$ 19.57	\$ 31.31
28	Tei Beam, 200x350x250mm	Concrete 24 Mpa	m3	0.70	\$ 115.08	\$ 80.56	m3	0.70	\$ 153.64	\$ 107.55
		Reinforced D16mm	Kg	126.24	\$ 1.59	\$ 201.23	Kg	126.24	\$ 1.87	\$ 236.07
		Reinforced Ø8mm	Kg	21.76	\$ 1.59	\$ 34.69	Kg	21.76	\$ 1.87	\$ 40.69
		Formwork	m2	3.50	\$ 50.07	\$ 175.25	m2	3.50	\$ 53.20	\$ 186.20
29	Sloof, 200x300x250mm	Concrete 24 Mpa	m3	0.60	\$ 115.08	\$ 69.05	m3	0.60	\$ 153.64	\$ 92.18
		Reinforced D16mm	Kg	126.24	\$ 1.59	\$ 201.23	Kg	126.24	\$ 1.87	\$ 236.07
		Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
		Formwork	m2	9.00	\$ 29.56	\$ 266.04	m2	9.00	\$ 32.69	\$ 294.21
30	Beam 1 (250x450x250mm)	Concrete 24 Mpa	m3	1.13	\$ 115.08	\$ 129.47	m3	1.13	\$ 153.64	\$ 172.85
		Reinforced D16mm	Kg	157.80	\$ 1.59	\$ 251.53	Kg	157.80	\$ 1.87	\$ 295.09
		Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
		Formwork	m2	12.50	\$ 50.07	\$ 625.88	m2	12.50	\$ 53.20	\$ 665.00
31	Beam 2 (250x450x250mm)	Concrete 24 Mpa	m3	1.13	\$ 115.08	\$ 129.47	m3	1.13	\$ 153.64	\$ 172.85
		Reinforced D16mm	Kg	157.80	\$ 1.59	\$ 251.53	Kg	157.80	\$ 1.87	\$ 295.09
		Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
		Formwork	m2	12.50	\$ 50.07	\$ 625.88	m2	12.50	\$ 53.20	\$ 665.00
32	Beam 3 (200x300x250mm)	Concrete 24 Mpa	m3	0.30	\$ 115.08	\$ 34.52	m3	0.30	\$ 153.64	\$ 46.09
		Reinforced D16mm	Kg	63.12	\$ 1.59	\$ 100.61	Kg	63.12	\$ 1.87	\$ 118.03
		Reinforced Ø8mm	Kg	16.00	\$ 1.59	\$ 25.50	Kg	16.00	\$ 1.87	\$ 29.92
		Formwork	m2	4.50	\$ 50.07	\$ 225.32	m2	4.50	\$ 53.20	\$ 239.40
33	Finish Floor Concrete	Concrete 24 Mpa	m3	0.31	\$ 115.08	\$ 35.96	m3	0.31	\$ 153.64	\$ 48.01
		Formwork	m2	1.00	\$ 50.07	\$ 50.07	m2	1.00	\$ 53.20	\$ 53.20
34	Railing									
	Hollow 40.40, T=2mm	m	116.50	\$ 1.45	\$ 168.93	m	116.50	\$ 1.45	\$ 168.93	
	Hollow 80.80, T=2mm	m	12.00	\$ 1.45	\$ 17.40	m	12.00	\$ 1.45	\$ 17.40	
	Steel Plate 80.80, T=4mm	Bh	3.00	\$ 50.00	\$ 150.00	Bh	3.00	\$ 50.00	\$ 150.00	
	Dina Bolt M10	Bh	33.00	\$ 12.00	\$ 396.00	Bh	33.00	\$ 1.50	\$ 49.50	





PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
35	Water tank (3200 ltr) - National product, Ex. Rotomor	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 504.00	\$ 504.00
	Polypipe (SNI/Australian), 3/4 inch	Roll	5.00	\$ 500.00	\$ 2,500.00	Roll	5.00	\$ 84.00	\$ 420.00
	Sanyo (SHIMIZU 3 HP) - provide all accessories	Unit	1.00	\$ 250.00	\$ 250.00	Unit	1.00	\$ 125.00	\$ 125.00
	Water pipe line and instalation	Ls	1.00	\$ 2,500.00	\$ 2,500.00	Ls	1.00	\$ 500.00	\$ 500.00
					\$ 19,030.47				\$ 15,883.94
	Sub Total								
B Septictank									
1 Excavation		m3	12.00	\$ 5.91	\$ 70.92	m3	12.00	\$ 5.91	\$ 70.92
2 sand bedding		m3	0.60	\$ 8.93	\$ 5.36	m3	0.60	\$ 8.93	\$ 5.36
3 concrete slab		m3	0.53	\$ 115.08	\$ 61.22	m3	0.53	\$ 139.34	\$ 74.13
4 concrete column		Concrete K 275	0.60	\$ 115.08	\$ 69.05	m3	0.60	\$ 153.64	\$ 92.18
		Reinforced	kg	\$ 95.99	\$ 1.59	kg	95.99	\$ 1.87	\$ 179.50
		Formwork	m2	12.00	\$ 40.50	m2	12.00	\$ 43.63	\$ 523.56
5 concrete for top septictank		Concrete K 275	0.53	\$ 115.08	\$ 61.22	m3	0.53	\$ 153.64	\$ 81.74
		Reinforced	kg	43.77	\$ 1.59	kg	43.77	\$ 1.87	\$ 81.84
		Formwork	m2	5.32	\$ 50.07	m2	5.32	\$ 53.20	\$ 283.02
6 Pipe PVC dia. 4"		m'	6.00	\$ 10.30	\$ 61.80	m'	6.00	\$ 19.69	\$ 118.14
7 Pipe PVC dia. 2"		m'	2.00	\$ 10.30	\$ 20.60	m'	2.00	\$ 8.66	\$ 17.32
8 Tee PVC dia. 4"		Unit	1.00	\$ 21.70	\$ 21.70	Unit	1.00	\$ 12.60	\$ 12.60
9 Tee PVC dia. 2"		Unit	1.00	\$ 8.00	\$ 8.00	Unit	1.00	\$ 3.00	\$ 3.00
10 Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)		m2	37.29	\$ 13.54	\$ 504.91	m2	37.29	\$ 14.81	\$ 552.26
11 Ordinary wall plaster (1 cement : 4 sand)		m2	37.29	\$ 4.99	\$ 186.08	m2	37.29	\$ 5.39	\$ 200.99
12 Wall Cement render		m2	37.29	\$ 3.27	\$ 121.94	m2	37.29	\$ 3.32	\$ 123.80
C Diffusion and installation pipe Complete									
1 Excavation		m3	6.50	\$ 5.91	\$ 38.42	m3	6.50	\$ 5.91	\$ 38.42
2 concrete for top diffusion		Concrete K 275	0.52	\$ 115.08	\$ 59.84	m3	0.52	\$ 153.64	\$ 79.89
		Reinforced	kg	26.65	\$ 1.59	kg	26.65	\$ 1.87	\$ 49.84
		Formwork	m2	2.60	\$ 50.07	m2	2.60	\$ 53.20	\$ 138.32
4 Gravel 20x20 mm		m3	2.21	\$ 35.00	\$ 77.18	m3	2.21	\$ 35.00	\$ 77.18
5 Fibre of Palmtree		m2	14.25	\$ 10.00	\$ 142.50	m2	14.25	\$ 10.00	\$ 142.50
6 Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)		m2	14.25	\$ 13.54	\$ 192.95	m2	14.25	\$ 14.81	\$ 211.04
7 Ordinary wall plaster (1 cement : 4 sand)		m2	14.25	\$ 4.99	\$ 71.11	m2	14.25	\$ 5.39	\$ 76.81
8 Cement render		m2	14.25	\$ 3.27	\$ 46.60	m2	14.25	\$ 3.32	\$ 47.31
	Sub Total				\$ 2,969.19				\$ 3,281.68
	Total Septictank & Diffusion				\$ 2,969.19				\$ 3,281.68
	Total for Plumbing Work				\$ 21,999.65				\$ 19,170.62
B ELECTRICAL									
I Median Voltage Line 20 KV									
Supply and install all these equipments complete with all necessary fittings and accessories required refer on drawing									
1 Concrete Pole 12 M 350 daN		unit	4.00	\$ 769.76	\$ 3,079.04	unit	4.00	\$ 642.10	\$ 2,568.40
2 AAC - S 1 x 79 mm ²		m	50.00	\$ 6.00	\$ 300.00	m	50.00	\$ 3.38	\$ 169.00
3 Pin post Insulator		Unit	12.00	\$ 50.00	\$ 600.00	Unit	12.00	\$ 25.00	\$ 300.00
4 Hang Insulator (Complit with Accessories)		set	2.00	\$ 150.00	\$ 300.00	set	2.00	\$ 60.00	\$ 120.00
5 Fuse Cut outs		set	1.00	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
6 Cross arm A1 Channnel UNP 1.8 Meter (Galvanized) (Bezel)		Unit	1.00	\$ 85.00	\$ 85.00	Unit	1.00	\$ 63.90	\$ 63.90
7 Cross arm A2 channel UNP 2 Meter (Galvanized) (Bezel)		Unit	6.00	\$ 150.00	\$ 900.00	Unit	6.00	\$ 112.76	\$ 676.56
8 Braco for Support cross arm (127) (Bezel)		Unit	7.00	\$ 25.00	\$ 175.00	Unit	7.00	\$ 18.80	\$ 131.60
9 Helical / Filica		m	18.00	\$ 3.50	\$ 63.00	m	18.00	\$ 2.25	\$ 40.50
10 Climber Protection		Unit	3.00	\$ 8.00	\$ 24.00	Unit	3.00	\$ 6.01	\$ 18.03
11 Warning Sign		Unit	3.00	\$ 8.00	\$ 24.00	Unit	3.00	\$ 6.01	\$ 18.03
12 Truckschoor (Assembly)		Unit	4.00	\$ 3.36	\$ 13.44	Unit	4.00	\$ 97.71	\$ 390.84
13 Parallel Groove Connector (AL) 35 - 150mm ²		Unit	6.00	\$ 8.96	\$ 53.76	Unit	6.00	\$ 3.01	\$ 18.06
14 Construction material (Stone,sand,cement,iron,wire)		Unit	3.00	\$ 12.00	\$ 36.00	Unit	3.00	\$ 19.48	\$ 58.44
	Sub Total				\$ 6,101.24				\$ 4,653.36
II New Transformer 20 KV/400 V									

PROJECT OWNER : MINISTERIO DO INTERIOR
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PROJECT LOCATION : TILO MAR, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
1	Administration Fee EDTL (power connection)	ls	1	\$ 550.00	\$ 550.00	ls	1.00	\$ 550.00	\$ 550.00
2	Supply & Install immersed Oil Transformer 50 KVA D Yzn 5 - 3 phase 20kV - 400 V + Accesories	unit	1	\$ 7,275.00	\$ 7,275.00	unit	1.00	\$ 7,035.00	\$ 7,035.00
3	N2XSEBY 3x95 mm ² (24 kv) Underground Cable)	m	30	\$ 68.17	\$ 2,045.10	m	30.00	\$ 68.17	\$ 2,045.10
4	Fuse Cut Out	set	1	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
5	Lightning Arrester 24 KV	set	1	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
6	Termination Clamp 50 mm	unit	30	\$ 12.00	\$ 360.00	unit	30.00	\$ 1.88	\$ 56.40
7	Raycham Indoor	set	1	\$ 500.00	\$ 500.00	set	1.00	\$ 500.00	\$ 500.00
8	Raycham Outdoor	set	1	\$ 500.00	\$ 500.00	set	1.00	\$ 500.00	\$ 500.00
9	Galvanized pipe 3" (6 m) include Acc.	unit	4	\$ 105.00	\$ 420.00	unit	4.00	\$ 75.17	\$ 300.68
10	NYFGBY 4x35 mm ² to Panel CONTROL	m	15	\$ 43.85	\$ 657.75	m	15.00	\$ 43.85	\$ 657.75
		Sub Total			\$ 13,203.85				\$ 11,804.93
III	M V M D P (Medium Voltage Distribution Panel 20 kV)								
	Free standing - metal enclosed cubicle, fixed type, galvanized metal sheet								
	- Rated voltage : 24 kV								
	- Service voltage : 20 kV								
1	Incoming Cubicle	set	1	\$ 4,909.09	\$ 4,909.09	set	1.00	\$ 4,909.09	\$ 4,909.09
	- SF6 manually operated LBS (400 A)								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
2	Transformer Protection Cubicle; Outgoing	set	1	\$ 6,676.36	\$ 6,676.36	set	1.00	\$ 6,676.36	\$ 6,676.36
	- SF6 manually operated LBS (400 A) with fuse mounted below + shunt trip 220 VAC								
	- 1 set HRC Fuse (125 A-20 kV) with striker pin								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
3	Voltage Measurement Cubicle; Outgoing	set	1	\$ 7,069.09	\$ 7,069.09	set	1.00	\$ 7,069.09	\$ 7,069.09
	- SF6 manually operated LBS (400 A)								
	- 1 set potential transformer 20 kV/110 V								
	- 1 set HRC fuse (6,3 A-20 kV)								
	- 1 Unit Voltmeter 0 ~ 20 kV + VSS 7 Spots								
	- 1 set CVD - indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
		Sub Total			\$ 18,654.54				\$ 18,654.54
IV	Power station:								
1	Power Backup Silent Generator perkins 50 kVA	Unit	1.00	\$ 8,000.00	\$ 8,000.00	Unit	1.00	\$ 8,000.00	\$ 8,000.00
2	Supply and Install PANEL CONTROL 600X400X200 include all accessories	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 861.36	\$ 861.36
3	Supply and Install OCB 175-250A 4P	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 150.00	\$ 150.00
4	Supply and Install MCCB 80A 3P	Unit	1.00	\$ 100.98	\$ 100.98	Unit	1.00	\$ 100.98	\$ 100.98
5	Supply and Install Cable NYY 4X10mm+PVC	m1	30.00	\$ 14.42	\$ 432.60	m1	30.00	\$ 13.57	\$ 407.10
V	Supply and Install PANEL SDP-A 600X400X200 include all accessories	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 188.88	\$ 188.88
1	Supply and Install MCCB 50A 3P	Unit	1.00	\$ 86.28	\$ 86.28	Unit	1.00	\$ 86.28	\$ 86.28
2	Supply and Install MCB 6A 1P	Unit	17.00	\$ 9.63	\$ 163.71	Unit	17.00	\$ 8.58	\$ 145.86
3	Supply and Install MCB 10A1P	Unit	5.00	\$ 12.78	\$ 63.90	Unit	5.00	\$ 9.11	\$ 45.55
4	Supply and Install MCB 16A 1P	Unit	1.00	\$ 15.93	\$ 15.93	Unit	1.00	\$ 9.11	\$ 9.11
5	Supply and Install MCB 20A 1P	Unit	2.00	\$ 18.03	\$ 36.06	Unit	2.00	\$ 9.11	\$ 18.22
6	Supply and Install Fluorescent TL 2X36W	Unit	23.00	\$ 50.00	\$ 1,150.00	Unit	23.00	\$ 54.78	\$ 1,259.94
7	Supply and Install Downlight 15W	Unit	15.00	\$ 15.00	\$ 225.00	Unit	15.00	\$ 15.93	\$ 238.95
8	Supply and Install Circular Light 25W	Unit	4.00	\$ 25.00	\$ 100.00	Unit	4.00	\$ 25.00	\$ 100.00
9	Supply and Install Downlight 7 W	Unit	18.00	\$ 7.00	\$ 126.00	Unit	18.00	\$ 10.41	\$ 187.38
10	Supply and Install Exhaust Fan	Unit	6.00	\$ 49.03	\$ 294.18	Unit	6.00	\$ 42.18	\$ 253.08
11	Supply and Install Power Outlet 250VA	Unit	55.00	\$ 8.00	\$ 440.00	Unit	55.00	\$ 5.67	\$ 311.85
12	Supply and Install Single switch	Unit	31.00	\$ 6.00	\$ 186.00	Unit	31.00	\$ 5.15	\$ 159.65
13	Supply and Install Double switch	Unit	15.00	\$ 8.00	\$ 120.00	Unit	15.00	\$ 5.67	\$ 85.05

PROJECT OWNER : MINISTERIO DO INTERIOR
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PROJECT LOCATION : TILO MAR, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
	Sub Total				\$ 12,690.64				\$ 12,609.24
V	TRAY CABLE:								
1	Tray Cable 400x100 with cover	M1	24	\$ 40.35	\$ 968.40	M1	24.00	\$ 40.35	\$ 968.40
2	Supply and Install Cable NYM 3X2,5mm + PVC	m1	500	\$ 4.50	\$ 2,250.00	m1	500.00	\$ 3.98	\$ 1,990.00
3	Supply and Install Cable NYM 3X1,5mm + PVC	m1	400	\$ 3.50	\$ 1,400.00	m1	400.00	\$ 3.49	\$ 1,394.60
	Total TRAY CABLE Work				\$ 4,618.40				\$ 4,353.00
	Total Electrical Work				\$ 55,268.67				\$ 52,075.07
VI	AIR CONDITIONAL (AC)								
	Supply and Install PANEL AC 600X400X200 include all accessories								
	Supply and Install MCCB 40A 3P	Unit	1.00	\$ 75.00	\$ 75.00	Unit	1.00	\$ 75.00	\$ 75.00
	Supply and Install MCB 6A	Unit	1.00	\$ 9.63	\$ 9.63	Unit	1.00	\$ 8.58	\$ 8.58
	Supply and Install MCB 10A	Unit	14.00	\$ 12.78	\$ 178.92	Unit	14.00	\$ 9.11	\$ 127.54
	Supply and Install AC 9000 BTU	Unit	14.00	\$ 354.13	\$ 4,957.82	Unit	14.00	\$ 432.88	\$ 6,060.32
	power outlet for AC	Unit	14.00	\$ 8.00	\$ 112.00	Unit	14.00	\$ 5.67	\$ 79.38
	Installation power outlet AC 9000 BTU with cable NYM 3X2,5 mm in conduit 20 mm pvc	Point	14.00	\$ 25.00	\$ 350.00	Point	14.00	\$ 27.25	\$ 381.50
	Pipe refrigerant for AC 9000 BTU	m1	13.00	\$ 5.00	\$ 65.00	m1	13.00	\$ 5.00	\$ 65.00
	Supply and Install Ceiling Fan + Remote control	Unit	2.00	\$ 95.00	\$ 190.00	Unit	2.00	\$ 86.28	\$ 172.56
	Total Air Conditioning (AC) Work				\$ 5,938.37				\$ 6,969.88
VII	CCTV								
	Supply and Install all item								
	a. NVR 16 channel camera input, tru real time display Hardisk 1TB MPEG 4 built in network	unit	1.00	\$ 500.00	\$ 500.00	unit	1.00	\$ 415.59	\$ 415.59
	b. Keyboard controller PT2	unit	1.00	\$ 14.04	\$ 14.04	unit	1.00	\$ 14.04	\$ 14.04
	c. LCD Monitor 32" colour	unit	1.00	\$ 250.00	\$ 250.00	unit	1.00	\$ 313.26	\$ 313.26
	d. UPS 1 KVA complete with Backup battery 15 minpit	unit	1.00	\$ 300.00	\$ 300.00	unit	1.00	\$ 300.00	\$ 300.00
	f. Cable installation network	Roll	2.00	\$ 92.00	\$ 184.00	Roll	2.00	\$ 63.89	\$ 127.78
	g. Dome camera colour hikvision 8 mpx indoor camera	unit	4.00	\$ 250.00	\$ 1,000.00	unit	4.00	\$ 217.41	\$ 869.64
	h. Bullet Camera hikvision 8 mpx outdoor camera	unit	5.00	\$ 300.00	\$ 1,500.00	unit	5.00	\$ 281.69	\$ 1,408.45
	i. CABLE CAT6 (300m)	Roll	1.00	\$ 250.00	\$ 250.00	Roll	1.00	\$ 253.51	\$ 253.51
	Test and commissioning	lot	1.00	\$ 100.00	\$ 100.00	lot	1.00	\$ 100.00	\$ 100.00
	Total for CCTV Work				\$ 4,098.04				\$ 3,802.27





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MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
VIII	FIRE ALARM								
	Supply and Install all item								
	MAIN UNIT :								
	MCFA Single ZONE ANNUNCIATOR	un	1.00	\$ 438.00	\$ 438.00	un	1.00	\$ 438.00	\$ 438.00
	Cable feader from MCFA to ANNUNCIATOR	un	1.00	\$ 228.00	\$ 228.00	un	1.00	\$ 228.00	\$ 228.00
	installation smoke detector with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	m	35.00	\$ 2.50	\$ 87.50	m	35.00	\$ 2.50	\$ 87.50
	installation Heat detector with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	15.00	\$ 50.00	\$ 750.00	Point	15.00	\$ 50.00	\$ 750.00
	installation ALARM BELL with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	2.00	\$ 25.00	\$ 50.00	Point	2.00	\$ 25.00	\$ 50.00
	installation INDICATOR LAMP with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	2.00	\$ 25.00	\$ 50.00	Point	2.00	\$ 25.00	\$ 50.00
	Smoke Detector	un	15.00	\$ 75.50	\$ 1,132.50	un	15.00	\$ 41.84	\$ 627.60
	Heat Detector	un	6.00	\$ 75.50	\$ 453.00	un	6.00	\$ 52.81	\$ 453.00
	Alarm bell	un	1.00	\$ 52.81	\$ 52.81	un	1.00	\$ 61.58	\$ 52.81
	Push button	un	1.00	\$ 61.58	\$ 61.58	un	1.00	\$ 52.81	\$ 61.58
	Indicator lamp	un	1.00	\$ 52.81	\$ 52.81	un	1.00	\$ 39.91	\$ 52.81
	TB Box	un	1.00	\$ 39.91	\$ 39.91	un	1.00	\$ 0.70	\$ 39.91
	EOL	un	2.00	\$ 0.70	\$ 1.40	un	2.00	\$ 500.00	\$ 1.40
	Test and commissioning	lot	1.00	\$ 500.00	\$ 500.00	lot	1.00	\$ 500.00	\$ 500.00
	Total Fire Alarm Work				\$ 4,197.51				\$ 3,692.61
IX	FIRE PROTECTION								
	Supply and Install all item								
	Fire Extinguisher type ABC Powder cap : 5 kg	un	3.00	\$ 75.00	\$ 225.00	un	3.00	\$ 75.00	\$ 225.00
	Total for Fire Protection Work				\$ 225.00				\$ 225.00
X	SOUND SYSTEM AUDITORIUM ROOM								
	Supply and Install all item								
	Power Amplifier 125 W	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 500.00	\$ 500.00
	Mixer amplifier 12 channel	Unit	1.00	\$ 315.79	\$ 315.79	Unit	1.00	\$ 315.79	\$ 315.79
	DVD/USB/BT	Unit	1.00	\$ 80.00	\$ 80.00	Unit	1.00	\$ 80.00	\$ 80.00
	SUBWOOFER	Unit	1.00	\$ 223.68	\$ 223.68	Unit	1.00	\$ 223.68	\$ 223.68
	Ceiling Speaker	Unit	25.00	\$ 45.00	\$ 1,125.00	Unit	25.00	\$ 41.04	\$ 1,026.00
	Volume Speaker	Unit	11.00	\$ 15.00	\$ 165.00	Unit	11.00	\$ 15.00	\$ 165.00
	MIC Triport	Unit	1.00	\$ 15.00	\$ 15.00	Unit	1.00	\$ 61.40	\$ 15.00
	Mic wireless	Unit	2.00	\$ 61.40	\$ 122.80	Unit	2.00	\$ 61.40	\$ 122.80
	Cabinet rack 32 c/w acc (Rack server 32U, standing close Rack glass Door(IR6032G), 19 inch Cabinet Rack, Dimension 600Dx600Wx1605H mm, 82 kg)	Unit	1.00	\$ 950.00	\$ 950.00	Unit	1.00	\$ 932.76	\$ 932.76
	Cable mic	M1	5.00	\$ 3.50	\$ 17.50	M1	5.00	\$ 3.50	\$ 17.50
	Cable speaker OLFLEX KABEL 2 X 1.5 mm in HIC connector for cable to speaker/sound	M1	200.00	\$ 3.50	\$ 700.00	M1	200.00	\$ 2.50	\$ 500.00
	Test and commissioning	pcs	10.00	\$ 27.63	\$ 276.30	pcs	10.00	\$ 27.63	\$ 276.30
	Total for Sound System Work	lot	1.00	\$ 13.16	\$ 13.16	lot	1.00	\$ 13.16	\$ 13.16
					\$ 4,504.23				\$ 4,187.99
H	LIGHTING PROTECTION								
	Supply and Install all item								
	Head protection lighting radius 35 m	un	1.00	\$ 328.95	\$ 328.95	un	1.00	\$ 328.95	\$ 328.95
	support pipe GIP Ø 50 mm	un	1.00	\$ 166.90	\$ 166.90	un	1.00	\$ 166.90	\$ 166.90
	Cable NYY 1 x 70 mm	m	40.00	\$ 13.73	\$ 549.20	m	40.00	\$ 12.78	\$ 511.20
	Grounding rod Ø 25 mm	m	6.00	\$ 217.60	\$ 1,305.60	m	6.00	\$ 217.60	\$ 1,305.60
	Box control 40 x 40 cm	un	1.00	\$ 70.18	\$ 70.18	un	1.00	\$ 70.18	\$ 70.18
	Test and commissioning	lot	1.00	\$ 87.72	\$ 87.72	lot	1.00	\$ 87.72	\$ 87.72
	Total for Lighting Protection Work				\$ 2,508.55				\$ 2,470.55
I	TELEPHONE								
	Supply and Install all item								
	Penambangan jaringan baru TELKOM 3 line PAEX 2-5 ch + 2 poert + 30 port	Unit	1.00	\$ 456.14	\$ 456.14	Unit	1.00	\$ 456.14	\$ 456.14
	Wall mount rack (Rack server 15U, WallMount rack single glass door (WIR4515S), 19 inch Cabinet rack, Dimension 450Dx600Wx780H mm and Weight 30 kg)	Unit	1.00	\$ 375.00	\$ 375.00	Unit	1.00	\$ 371.01	\$ 371.01
	Printer standart hp(Laserjet Pro MFP M125a) black and colour Kabel ITC 10 x 0,6 pair in pipe PVC 1,5"	m	70.00	\$ 4.82	\$ 337.40	m	70.00	\$ 4.82	\$ 337.40
	UPS 2 Kva	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 370.01	\$ 370.01
	Terminal Box 20 pair	Unit	1.00	\$ 35.09	\$ 35.09	Unit	1.00	\$ 35.09	\$ 35.09
	Instalasi outlet telepon	Point	13.00	\$ 15.88	\$ 206.44	Point	13.00	\$ 14.00	\$ 182.00
	Outlet telepon	pcs	18.00	\$ 8.95	\$ 161.10	pcs	18.00	\$ 8.95	\$ 161.10
	Instalasi outlet telepon direct	Unit	5.00	\$ 50.00	\$ 250.00	Unit	5.00	\$ 50.00	\$ 250.00
	Total for Telephone Work				\$ 2,821.17				\$ 2,382.84

Edp

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
1	LAN/DATA								
	Supply and Install all item								
	Cabinet rack 32 c/w acc (Rack server 32U, standing close Rack glass Door(IR6032G), 19 inch Cabinet Rack, Dimension 600Dx600Wx1605H mm, 33 kg)	Unit	1.00	\$ 950.00	\$ 950.00	Unit	1.00	\$ 932.76	\$ 932.76
	UPS 2 Kva	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 395.01	\$ 395.01
	Switch 24 Port/RG-NBS3100-24GT4SFP-P1	Unit	1.00	\$ 570.00	\$ 570.00	Unit	1.00	\$ 558.29	\$ 558.29
	PATCH Panel 24 port	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 129.62	\$ 129.62
	Instalasi data	point	15.00	\$ 14.95	\$ 224.25	point	15.00	\$ -	\$ -
	acces point(Wififi RG-720L))	point	4.00	\$ 120.00	\$ 480.00	point	4.00	\$ 14.95	\$ 59.80
	Outlet data (Simon)	pes	15.00	\$ 9.56	\$ 143.40	pes	15.00	\$ 125.14	\$ 1,877.10
	Cable UTP Cat 6 in conduit 20 mm (300m)	roll	1.00	\$ 250.00	\$ 250.00	roll	1.00	\$ 9.56	\$ 9.56
	[Test and commissioning]	lot	1.00	\$ 500.00	\$ 500.00	lot	1.00	\$ 250.00	\$ 250.00
	Total for LAN/DATA Work				\$ 3,767.65				
	Total for Mechanical Work				\$ 28,060.52				
	TOTAL MEP WORK				\$ 105,328.84				
									\$ 99,189.03



PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
I	PRELIMINARY WORK									
1	Sand filling, t = 10 cm	m3	86.60	\$ 8.93	\$ 773.34	m3	86.60	\$ 8.93	\$ 773.34	
2	Paving block work 20 x 10 x 6 cm	m2	866.00	\$ 33.84	\$ 29,305.44	m2	866.00	\$ 26.79	\$ 23,200.14	
3	Kansteen concrete work: K125 painting for kansteen	m1	204.02	\$ 15.43	\$ 3,147.07	m1	204.02	\$ 13.45	\$ 2,743.35	
4	Concrete floor, t = 10 cm - K125	m2	40.80	\$ 1.61	\$ 65.69	m2	40.80	\$ 1.50	\$ 146.89	
5	Humus soil	m3	4.11	\$ 100.14	\$ 411.98	m3	4.11	\$ 139.34	\$ 573.24	
6	Grass planting (<i>Zoysia japonica</i> (Japanese lawngreen))	m3	87.65	\$ 35.00	\$ 3,067.58	m3	87.65	\$ 35.00	\$ 3,067.58	
7	Red Shoot Tree h= 2 m	m2	292.15	\$ 5.00	\$ 1,460.75	m2	292.15	\$ 10.38	\$ 3,031.35	
8	Supply and installation flagpole such as drawing complete with all accessories	unit	30.00	\$ 150.00	\$ 4,500.00	unit	30.00	\$ 100.00	\$ 3,000.00	
II	ELECTRICAL FOR LANDSCAPE	unit	1.00	\$ 350.00	\$ 350.00	unit	1.00	\$ 350.00	\$ 350.00	
1	MCB Box 6-Ways	unit	1.00	\$ 6.00	\$ 6.00	unit	1.00	\$ 6.00	\$ 6.00	
2	LED LIGHT 15 W + CAP	unit	1.00	\$ 35.00	\$ 35.00	unit	1.00	\$ 35.00	\$ 35.00	
3	MCB 20A 1P	unit	1.00	\$ 18.03	\$ 18.03	unit	1.00	\$ 9.11	\$ 9.11	
4	MCB 10A 1P	unit	1.00	\$ 12.78	\$ 12.78	unit	1.00	\$ 9.11	\$ 9.11	
5	Thechen Timer (Automatic Timer)	unit	1.00	\$ 32.50	\$ 32.50	unit	1.00	\$ 32.50	\$ 32.50	
6	RCB/RCD 30mA 16A	unit	1.00	\$ 45.00	\$ 45.00	unit	1.00	\$ 45.00	\$ 45.00	
7	Cable NYFGBY 3x2.5 mm +PVC	m1	300.00	\$ 6.50	\$ 1,950.00	m1	300.00	\$ 6.33	\$ 1,897.50	
	Sub Total				\$ 43,181.15				\$ 38,920.11	
III	FENCE WORK									
A	EARTH AND SAND WORK									
1	Bowplank	ls	1.00	\$ 500.00	\$ 500.00	ls	1.00	\$ 500.00	\$ 500.00	
2	Excavation for ordinary foundation	m3	108.00	\$ 5.14	\$ 555.12	m3	108.00	\$ 5.14	\$ 555.12	
3	Stone masonry work (1 cement : 4 sand)	m3	59.40	\$ 67.15	\$ 3,988.71	m3	59.40	\$ 82.69	\$ 4,911.79	
4	Foundation excavation backfilling	m3	27.00	\$ 1.70	\$ 45.90	m3	27.00	\$ 1.70	\$ 45.90	
5	Sand filling under foundation	m3	6.75	\$ 8.93	\$ 60.28	m3	6.75	\$ 8.93	\$ 60.28	
	Sub Total				\$ 5,150.01				\$ 6,073.08	
B	WALL WORKS AND PLASTER WORK									
1	Ordinary block wall 40x20x10 cm masonry (1 sand : 4 sand)	m2	367.50	\$ 13.54	\$ 4,975.95	m2	367.50	\$ 14.81	\$ 5,442.68	
2	Ordinary wall plaster (1 cement: 4 sand) 15 mm thickness	m2	735.00	\$ 4.99	\$ 3,667.65	m2	735.00	\$ 5.39	\$ 3,961.65	
3	Wall cement render	m2	735.00	\$ 3.27	\$ 2,403.45	m2	735.00	\$ 3.32	\$ 2,440.20	
	Sub Total				\$ 11,047.05				\$ 11,844.53	
C	CONCRETE WORKS									
1	Concrete sloof 200x300 mm - K175	Concrete K175	m3	10.08	\$ 104.27	\$ 1,051.04	m3	10.08	\$ 141.41	\$ 1,425.41
		Reinforced	kg	1791.66	\$ 1.59	\$ 2,855.91	kg	1,791.66	\$ 1.87	\$ 3,350.41
		Formwork	m2	100.80	\$ 29.56	\$ 2,979.65	m2	100.80	\$ 32.69	\$ 3,295.15
2	Concrete beam 150x200 mm - K175	Concrete K175	m3	4.44	\$ 104.27	\$ 462.96	m3	4.44	\$ 141.41	\$ 627.86
		Reinforced	kg	833.93	\$ 1.59	\$ 1,329.29	kg	833.93	\$ 1.87	\$ 1,559.45
		Formwork	m2	59.20	\$ 50.07	\$ 2,964.14	m2	59.20	\$ 53.20	\$ 3,149.44
3	Concrete column 150x150 mm - K175 for fence type 2 & 3	Concrete K175	m3	7.20	\$ 104.27	\$ 750.74	m3	7.20	\$ 141.41	\$ 1,018.15
		Reinforced	kg	1061.64	\$ 1.59	\$ 1,692.25	kg	1,061.64	\$ 1.87	\$ 1,985.27
		Formwork	m2	144.00	\$ 40.50	\$ 5,832.00	m2	144.00	\$ 43.63	\$ 6,282.72
	Sub Total				\$ 19,917.99				\$ 22,693.87	
D	PAINTING WORK									
1	Wall and column painting		m2	1032.00	\$ 3.46	\$ 3,570.72	m2	1,032.00	\$ 3.60	\$ 3,715.20
	Sub Total				\$ 3,570.72				\$ 3,715.20	
E	SUPPLY AND INSTALLATION WORK									
1	Supply and installation main gate	Unit	2.00	\$ 750.00	\$ 1,500.00	Unit	2.00	\$ 750.00	\$ 1,500.00	
2	Supply and installation marble nameboard include stainless steel letter	Ls	1.00	\$ 1,250.00	\$ 1,250.00	Ls	1.00	\$ 1,250.00	\$ 1,250.00	
	Sub Total				\$ 2,750.00				\$ 2,750.00	
	Total for fence work				\$ 42,435.77				\$ 47,076.67	

EAD

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILO MAR, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
IV	DRAINAGEN WORK									
A	EARTH WORK									
1	Setting out bowplank	Ls	1.00	\$ 500.00	\$ 500.00	Ls	1.00	\$ 500.00	\$ 500.00	
2	Excavation for ordinary foundation	m3	71.83	\$ 5.14	\$ 369.23	m3	71.83	\$ 5.14	\$ 369.23	
3	Foundation excavation backfilling	m3	10.26	\$ 1.70	\$ 17.45	m3	10.26	\$ 1.70	\$ 17.45	
4	Sand filling under foundation	m3	10.26	\$ 8.93	\$ 91.64	m3	10.26	\$ 8.93	\$ 91.64	
5	Stone masonry	m3	28.59	\$ 67.15	\$ 1,919.62	m3	28.59	\$ 82.69	\$ 2,363.86	
6	Plaster 1PC : 4PS thickness 20mm	m2	190.58	\$ 6.11	\$ 1,164.44	m2	190.58	\$ 5.39	\$ 1,027.23	
7	Cover Steel type L30X30X3mm-50mm	m1	146.60	\$ 23.51	\$ 3,446.91	m1	146.60	\$ 24.44	\$ 357.70	
	Total for Drainagen work				\$ 7,509.28				\$ 4,727.10	
V	SECURITY POST									
A	EARTH AND SAND WORK									
1	Bowplank	m1	10.20	\$ 11.03	\$ 112.51	m1	10.20	\$ 11.04	\$ 112.61	
2	Excavation for ordinary foundation	m3	10.56	\$ 5.14	\$ 54.28	m3	10.56	\$ 5.14	\$ 54.28	
3	Foundation excavation backfilling	m3	2.64	\$ 1.70	\$ 4.49	m3	2.64	\$ 1.70	\$ 4.49	
4	Sand filling under foundation	m3	0.66	\$ 8.93	\$ 5.89	m3	0.66	\$ 8.93	\$ 5.89	
5	Sand filling under floor	m3	0.48	\$ 8.93	\$ 4.29	m3	0.48	\$ 8.93	\$ 4.29	
6	Stone masonry	m3	5.81	\$ 67.15	\$ 390.01	m3	5.81	\$ 82.69	\$ 480.26	
	Sub Total				\$ 571.46				\$ 661.82	
B	WALL MANSORY WORKS AND PLASTER WORK									
1	Ordinary block wall 40x20x10 cm masonry (1 sand; 4 sand)	m2	36.60	\$ 13.54	\$ 495.56	m2	36.60	\$ 14.81	\$ 542.05	
2	Ordinary wall plaster (1 cement : 4 sand) 15 mm thickness	m2	73.20	\$ 4.99	\$ 365.27	m2	73.20	\$ 5.39	\$ 394.55	
3	Wall cement render	m2	73.20	\$ 3.27	\$ 239.36	m2	73.20	\$ 3.32	\$ 243.02	
4	Bathroom ceramic wall : 20x25 cm for 1st floor	m2	6.60	\$ 21.18	\$ 139.79	m2	6.60	\$ 22.54	\$ 148.76	
	Sub Total				\$ 1,239.98				\$ 1,328.38	
C	CONCRETE WORKS									
1	Concrete sloof 150x200 mm - K275	Concrete K275	m3	0.46	\$ 115.08	\$ 52.48	m3	0.46	\$ 153.64	\$ 70.06
		Reinforced	kg	113.25	\$ 1.59	\$ 180.52	kg	113.25	\$ 1.87	\$ 211.78
		Formwork	m2	6.08	\$ 29.56	\$ 179.72	m2	6.08	\$ 32.69	\$ 198.76
2	Concrete beam ring 150x200 mm - K275	Concrete K275	m3	0.46	\$ 115.08	\$ 52.48	m3	0.46	\$ 153.64	\$ 70.06
		Reinforced	kg	113.25	\$ 1.59	\$ 180.52	kg	113.25	\$ 1.87	\$ 211.78
		Formwork	m2	8.36	\$ 50.07	\$ 418.59	m2	8.36	\$ 53.20	\$ 444.75
3	Concrete column 150x200 mm - K275	Concrete K275	m3	0.72	\$ 115.08	\$ 82.86	m3	0.72	\$ 153.64	\$ 110.62
		Reinforced	kg	149.20	\$ 1.59	\$ 237.82	kg	149.20	\$ 1.87	\$ 279.00
		Formwork	m2	14.40	\$ 40.50	\$ 583.20	m2	14.40	\$ 43.63	\$ 628.27
4	Concrete column 150x400mm - K275	Concrete K275	m3	0.18	\$ 115.08	\$ 20.71	m3	0.18	\$ 153.64	\$ 27.66
		Reinforced	kg	39.77	\$ 1.59	\$ 63.39	kg	39.77	\$ 1.87	\$ 74.37
		Formwork	m2	3.30	\$ 40.50	\$ 133.65	m2	3.30	\$ 43.63	\$ 143.98
5	Concrete slab, t = 120 mm - K275	Concrete K275	m3	0.96	\$ 115.08	\$ 110.48	m3	0.96	\$ 153.64	\$ 147.49
6	Concrete roof	Concrete K275	m3	0.85	\$ 115.08	\$ 98.19	m3	0.85	\$ 153.64	\$ 131.09
		Reinforced	kg	58.49	\$ 1.59	\$ 93.24	kg	58.49	\$ 1.87	\$ 109.38
		Formwork	m2	7.11	\$ 50.07	\$ 356.00	m2	7.11	\$ 53.20	\$ 378.25
	Sub Total				\$ 2,843.84				\$ 3,237.29	
D	FLOOR WORK									
2	Ceramic Tile 40x40 cm		m2	8.39	\$ 19.98	\$ 167.63	m2	8.39	\$ 24.37	\$ 204.46
3	Ceramic Tile 20x20 cm for toilet		m2	1.21	\$ 21.18	\$ 25.63	m2	1.21	\$ 23.24	\$ 28.12
	Sub Total				\$ 193.26				\$ 232.58	

Epp

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
E	DOORS, WINDOWS And VENTILATIONS WORKS								
1	Door type D-1, including all accessories	Unit	1.00	\$ 300.00	\$ 300.00	Unit	1.00	\$ 230.00	\$ 230.00
2	Door type D-2, including all accessories	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 170.00	\$ 170.00
3	Window type W-1, including all accessories	Unit	1.00	\$ 200.00	\$ 200.00	Unit	1.00	\$ 140.00	\$ 140.00
4	Window type W-2, including all accessories	Unit	1.00	\$ 100.00	\$ 100.00	Unit	1.00	\$ 75.00	\$ 75.00
5	Ventilation type EV-1, including all accessories	Unit	2.00	\$ 80.00	\$ 160.00	Unit	2.00	\$ 65.00	\$ 130.00
	Sub Total				\$ 910.00				
F	CEILING WORK								
1	Supply and install gypsumboard 9 mm thick,	m ²	14.57	\$ 12.38	\$ 180.41	m ²	14.57	\$ 12.69	\$ 184.93
2	supply and install hollow frame 40/40 mm	m ²	14.57	\$ 14.31	\$ 208.53	m ²	14.57	\$ 14.16	\$ 206.35
3	Supply and install ceiling cornice profile ceiling gypsum	m'	14.00	\$ 3.92	\$ 54.88	m'	14.00	\$ 3.94	\$ 55.16
	Sub Total				\$ 443.82				
G	ROOFING WORKS								
1	RHS 100X50X1.5mm for trusses	kg	462.52	\$ 3.08	\$ 1,424.57	kg	462.52	\$ 2.44	\$ 1,128.55
2	Purlin Chanel 100X50X1.5mm	kg	50.46	\$ 1.81	\$ 91.34	kg	50.46	\$ 4.21	\$ 212.45
3	Metal Roofing 0.42	m ²	21.36	\$ 28.00	\$ 598.08	m ²	21.36	\$ 20.26	\$ 432.75
4	Ridge capping, 0.42 mm	m ¹	10.60	\$ 15.00	\$ 159.00	m ¹	10.60	\$ 15.47	\$ 163.98
	Sub Total				\$ 2,272.99				
H	ELectrical WORKS								
1	MCB Box 1-Way	Unit	1.00	\$ 3.50	\$ 3.50	Unit	1.00	\$ 3.50	\$ 3.50
2	MCB 6 A IP	Unit	1.00	\$ 9.63	\$ 9.63	Unit	1.00	\$ 8.58	\$ 8.58
3	Supply and install Dowlight philips lamp 15 watt	Unit	1.00	\$ 10.00	\$ 10.00	Unit	1.00	\$ 14.61	\$ 14.61
4	Supply and install Dowlight philips lamp 7 watt	Unit	1.00	\$ 7.00	\$ 7.00	Unit	1.00	\$ 10.41	\$ 10.41
5	Supply and install single switch lamp good quality	Unit	2.00	\$ 6.00	\$ 12.00	Unit	2.00	\$ 5.15	\$ 10.30
6	Supply and install single Power Outlet good quality	Unit	1.00	\$ 8.00	\$ 8.00	Unit	1.00	\$ 5.67	\$ 5.67
7	Cable NYM 3x1.5 mm + PVC	m ¹	15.00	\$ 4.50	\$ 67.50	m ¹	15.00	\$ 3.49	\$ 52.30
	Sub Total				\$ 325.00	m ¹	50.00	\$ 6.33	\$ 316.25
					\$ 442.63				
I	SANITATION WORK								
1	Squat closet colour white + accessories	Unit	1.00	\$ 273.46	\$ 273.46	Unit	1.00	\$ 364.31	\$ 364.31
2	Supply and install Floor drain	Unit	1.00	\$ 5.97	\$ 5.97	Unit	1.00	\$ 5.97	\$ 5.97
3	Pipe PVC AW dia 0.5" for cold water pipe installation	m'	20.00	\$ 2.71	\$ 54.20	m'	20.00	\$ 2.23	\$ 44.60
4	Pipe PVC dia. 3" for waste water pipe installation	m'	20.00	\$ 10.30	\$ 206.00	m'	20.00	\$ 11.31	\$ 226.20
5	Pipe PVC dia. 4" for water closed pipe instalation	m'	10.00	\$ 13.70	\$ 137.00	m'	10.00	\$ 19.69	\$ 196.90
6	Septictank 1500x1000 mm	Unit	1.00	\$ 1,200.00	\$ 1,200.00	Unit	1.00	\$ 1,200.00	\$ 1,200.00
7	Absorption	Unit	1.00	\$ 600.00	\$ 600.00	Unit	1.00	\$ 300.00	\$ 300.00
	Sub Total				\$ 2,476.63				
J	PAINTING WORK								
1	Wall painting	m ²	73.20	\$ 3.46	\$ 253.27	m ²	73.20	\$ 3.60	\$ 268.52
2	Ceiling painting	m ²	14.57	\$ 5.36	\$ 48.96	m ²	14.57	\$ 3.50	\$ 51.00
	Sub Total				\$ 302.24				
K	SEPTICTANK								
1	Excavation	m ³	4.50	\$ 5.91	\$ 26.60	m ³	4.50	\$ 5.91	\$ 26.60
2	sand bedding	m ³	0.30	\$ 14.13	\$ 4.24	m ³	0.30	\$ 8.93	\$ 2.68
3	concrete slab	m ³	0.53	\$ 104.27	\$ 55.47	m ³	0.53	\$ 141.41	\$ 75.23
4	concrete column								
	Concrete K 175	m ³	0.60	\$ 104.27	\$ 62.56	m ³	0.60	\$ 141.41	\$ 84.85
	Reinforced	kg	95.99	\$ 1.59	\$ 153.01	kg	95.99	\$ 1.87	\$ 179.50
5	Formwork	m ²	12.00	\$ 40.50	\$ 486.00	m ²	12.00	\$ 43.63	\$ 523.56
	Concrete K 175	m ³	0.53	\$ 104.27	\$ 55.47	m ³	0.53	\$ 141.41	\$ 75.23
	Reinforced	kg	43.77	\$ 1.59	\$ 69.76	kg	43.77	\$ 1.87	\$ 81.84
	Formwork	m ²	5.32	\$ 50.07	\$ 266.37	m ²	5.32	\$ 53.20	\$ 283.02
6	Pipe PVC dia. 4"	m'	6.00	\$ 12.38	\$ 74.28	m'	6.00	\$ 19.69	\$ 118.14
7	Pipe PVC dia. 2"	m'	2.00	\$ 5.05	\$ 10.10	m'	2.00	\$ 8.66	\$ 17.32
8	Tee PVC dia. 4"	Unit	1.00	\$ 19.17	\$ 19.17	Unit	1.00	\$ 12.60	\$ 12.60
9	Tee PVC dia. 2"	Unit	1.00	\$ 5.36	\$ 5.36	Unit	1.00	\$ 3.00	\$ 3.00
10	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)	m ²	37.29	\$ 13.42	\$ 500.43	m ²	37.29	\$ 14.81	\$ 552.26
11	Ordinary wall plaster (1 cement : 4 sand)	m ²	37.29	\$ 4.94	\$ 184.21	m ²	37.29	\$ 5.39	\$ 200.99
12	Wall Cement render	m ²	37.29	\$ 3.21	\$ 119.70	m ²	37.29	\$ 3.32	\$ 123.80
	Sub Total				\$ 2,092.74				
	Total for Security Post one unit				\$ 13,789.58				
	Total for Security Post two unit				\$ 27,579.17				
	Total for LANDSCAPE				\$ 122,705.36				
									\$ 118,771.89

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : TILOMAR, COVALIMA, TIMOR LESTE

OVERHEAD

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, IP			
		UNIT	VOLUME	UNIT PRICE (\$US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (\$US\$)	AMOUNT (\$)
1	Contractor project team	month	12.00	\$ 1,000.00	\$ 12,000.00	month	12.00	\$ 500.00	\$ 6,000.00
2	Safety equipment and first AID equipment	unit	2.00	\$ 500.00	\$ 1,000.00	unit	2.00	\$ 500.00	\$ 1,000.00
3	Material sampling and testing	sheet	5.00	\$ 1,000.00	\$ 5,000.00	sheet	5.00	\$ 1,827.00	\$ 9,135.00
4	Project report and documentation	month	12.00	\$ 50.00	\$ 600.00	month	12.00	\$ 300.00	\$ 3,600.00
5	Contractor site security 2 Person	month	12.00	\$ 300.00	\$ 3,600.00	month	12.00	\$ 300.00	\$ 3,600.00
6	As build drawing	sheet	1.00	\$ 500.00	\$ 500.00	sheet	1.00	\$ 300.00	\$ 300.00
TOTAL				\$ 22,700.00					\$ 23,635.00

Esp



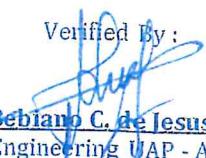
AGENCIA DE DESENVOLVIMENTO NACIONAL, I.P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

SUMMARY

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED	RESULT, ADN, I.P
		AMOUNT (\$)	AMOUNT (\$)
I	PREPARATION WORKS	\$ 41,109.85	\$ 35,572.94
II	MAIN BUILDING		
	- ARCHITECTURAL WORK	\$ 105,597.18	\$ 105,049.06
	- STRUCTURAL WORK	\$ 145,084.87	\$ 173,880.41
	- PLUMBING WORK	\$ 21,999.65	\$ 19,443.66
	- ELECTRICAL WORK	\$ 55,268.67	\$ 52,075.07
	- AIR CONDITIONING (AC) WORK	\$ 5,938.37	\$ 6,969.88
	- CCTV WORK	\$ 4,098.04	\$ 3,802.27
	- FIRE ALARM WORK	\$ 4,197.51	\$ 3,692.61
	- FIRE PROTECTION WORK	\$ 225.00	\$ 225.00
	- SOUND SYSTEM WORK	\$ 4,504.23	\$ 4,187.99
	- LIGHTNING PROTECTION WORK	\$ 2,508.55	\$ 2,470.55
	- TELEPHONE WORK	\$ 2,821.17	\$ 2,382.89
	- LAN/DATA WORK	\$ 3,767.65	\$ 4,212.14
III	LANDSCAPE WORK	\$ 206,464.85	\$ 283,113.23
A	TOTAL CONSTRUCTION COST	\$ 603,585.60	\$ 697,077.70
B	CONTRACTOR FEE (10% x A)	\$ 60,358.56	\$ 69,707.77
C	OVERHEAD	\$ 22,500.00	\$ 23,635.00
D	TAX (2% x (A+B+C))	\$ 13,728.88	\$ 15,808.41
E	CONTINGENCY (10 % * A)	\$ 60,358.56	\$ 69,707.77
F	TOTAL (A+B+C+D+E)	\$ 760,531.60	\$ 875,936.65

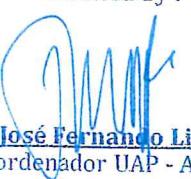
Verified By :


Eng. Beblano C. de Jesus Lopes
 Civil Engineering UAP - ADN, I.P.

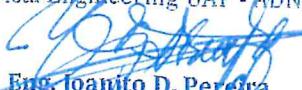
Checked By :


Eng. Jóhanes Hornay
 Chefe Depart. EPMEITCM. UAP - ADN.I.P

Certified By :


Arch. José Fernando Liu Soares
 Coordenador UAP - ADN.I.P


Eng. Angelica da Costa
 Electrical Engineering UAP - ADN, I.P.


Eng. Joamito D. Pereira
 National Adviser UAP - ADN, I.P.


Eng. Elvis Ferreira Soares
 ICT Engineer UAP - ADN, I.P.



AGENCIA DE DESENVOLVIMENTO NACIONAL I.P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

PREPARATION WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	GENERAL WORKS								
1	Mobilization and Demobilization	Ls	1.00	\$ 5,000.00	\$ 5,000.00	Ls	1.00	\$ 2,000.00	\$ 2,000.00
2	Site cleaning and demolishing existing building include carry out the debris out from project site	m2	2500.00	\$ 1.40	\$ 3,500.00	m2	2,500.00	\$ 1.40	\$ 3,500.00
3	Site office and storage	m2	48.00	\$ 50.00	\$ 2,400.00	m2	48.00	\$ 25.00	\$ 1,200.00
4	Mess for labour	m2	48.00	\$ 50.00	\$ 2,400.00	m2	48.00	\$ 25.00	\$ 1,200.00
5	Temporary fence	m ³	180.00	\$ 13.72	\$ 2,469.60	m ³	180.00	\$ 14.07	\$ 2,532.60
6	Water and electrical supply for works	Ls	1.00	\$ 2,000.00	\$ 2,000.00	Ls	1.00	\$ 1,800.00	\$ 1,800.00
7	Information Board project	unit	1.00	\$ 90.25	\$ 90.25	unit	1.00	\$ 90.34	\$ 90.34
	Sub Total				\$ 17,859.85				\$ 12,322.94
B	SOIL STABILIZATION WORK								
1	Selected material filling and compaction using mechanical equipment	m3	2500.00	\$ 9.30	\$ 23,250.00	m3	2,500.00	\$ 9.30	\$ 23,250.00
	Sub Total				\$ 23,250.00				\$ 23,250.00
	GRAND TOTAL				\$ 41,109.85				\$ 35,572.94

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

ARCHITECTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	EARTH WORK								
1	Excavation for ordinary foundation	m3	114.54	\$ 5.91	\$ 676.96	m3	114.54	\$ 5.91	\$ 676.96
2	Foundation back filling	m3	171.82	\$ 1.70	\$ 292.09	m3	171.82	\$ 1.70	\$ 292.09
3	Sand filling under foundation and tie beam 50 mm	m3	4.46	\$ 3.93	\$ 17.03	m3	4.46	\$ 3.93	\$ 39.83
4	Sand filling under floor 50mm	m3	19.20	\$ 3.93	\$ 74.68	m3	19.20	\$ 3.93	\$ 74.68
5	Soil fill for levelling floor 150mm	m3	57.60	\$ 11.73	\$ 665.65	m3	57.60	\$ 11.73	\$ 477.50
	Sub Total				\$ 1,855.97				\$ 1,657.83
B	WALL MASONRY AND RENDER WORK								
1	Stone masonry work (1 cement : 4 sand)	m3	3.19	\$ 67.15	\$ 213.94	m3	3.19	\$ 135.51	\$ 431.73
3	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand) for 1st floor	m2	883.51	\$ 13.54	\$ 11,962.66	m2	883.51	\$ 15.96	\$ 14,100.74
4	Ordinary wall plaster (1 cement : 4 sand) for 1st floor	m2	1,767.01	\$ 4.99	\$ 8,817.38	m2	1,767.01	\$ 6.04	\$ 10,672.74
5	Cement render for /Acian	m2	1,767.01	\$ 3.27	\$ 5,778.12	m2	1,767.01	\$ 3.32	\$ 5,866.47
6	Interior wall furniture for sala resepsaun and sala encontro, faklui besi/azul 100 unit	ls	1.00	\$ 7,000.00	\$ 7,000.00	ls	1.00	\$ -	\$ -
	Inezia 2.5 x 1.1 x 1.5					unit	1.06	\$ 1,511.45	\$ 1,511.45
	MEZA 2.5X1.5					unit	1.00	\$ 1,137.18	\$ 1,137.18
	Kadeira roda/metan					unit	12.00	\$ 99.00	\$ 1,080.00
	Kadeira besi/azul					unit	100.00	\$ 28.00	\$ 2,800.00
	transportation for furniture					ls	1.00	\$ 313.21	\$ 313.21
7	Ceramic wall : 40x40 cm for Toilet, Asia tile	m2	94.40	\$ 21.79	\$ 2,056.98	m2	94.40	\$ 27.84	\$ 2,628.10
8	Pantry Ceramic wall : 40x40 cm, Asia tile	m2	2.40	\$ 21.79	\$ 52.30	m2	2.40	\$ 27.84	\$ 66.82
9	Ceramic wall external : 40x40 cm, Asia tile	m2	63.75	\$ 21.79	\$ 1,389.11	m2	63.75	\$ 27.84	\$ 1,774.80
10	Natural stone wall (30x15 cm)	m2	24.00	\$ 64.39	\$ 1,545.36	m2	24.00	\$ 72.01	\$ 1,728.24
11	Stair hand railing	kg	179.11	\$ 2.15	\$ 385.08	kg	179.11	\$ 2.44	\$ 437.02
12	Department logo with copper text and accessories (Plate Stainlesssteel)	unit	3.00	\$ 500.00	\$ 1,500.00	unit	3.00	\$ 180.00	\$ 540.00
13	Concrete ornament for listplank	m1	94.00	\$ 57.74	\$ 5,427.56	m1	94.00	\$ 57.74	\$ 5,427.56
	Sub Total				\$ 46,128.48				\$ 50,554.06
C	FLOOR WORK								
1	Granite Tile : 60x60 cm G1.G2.G3	m2	342.61	\$ 32.36	\$ 11,086.86	m2	342.61	\$ 31.61	\$ 10,829.90
2	Bathroom floor ceramic : 40x40 cm G4	m2	37.75	\$ 19.98	\$ 754.25	m2	37.75	\$ 25.74	\$ 971.69
4	Pantry ceramic table : 30x30 cm	m2	2.40	\$ 18.80	\$ 45.12	m2	2.40	\$ 24.82	\$ 59.57
5	Ceramic plint : 10x50 cm	m1	312.25	\$ 11.33	\$ 3,537.79	m1	312.25	\$ 3.79	\$ 1,183.43
6	Water proofing for floor plate	m2	328.00	\$ 8.77	\$ 2,876.56	m2	328.00	\$ 8.77	\$ 2,875.58
	Sub Total				\$ 18,300.58				\$ 15,920.16
D	CEILING WORK								
1	Ceiling frame hollow 40/40mm	m2	366.00	\$ 14.51	\$ 5,237.46	m2	366.00	\$ 14.16	\$ 5,182.56
2	Ceiling gypsum 9mm	m2	328.25	\$ 12.33	\$ 4,063.74	m2	328.25	\$ 12.69	\$ 4,165.49
3	Ceiling PVC 9 mm	m2	37.75	\$ 14.03	\$ 529.63	m2	37.75	\$ 14.03	\$ 529.63
4	Supply and install ceiling cornice profile ceiling gypsum	m1	337.05	\$ 3.92	\$ 1,321.24	m1	337.05	\$ 3.94	\$ 1,327.98
	Sub Total				\$ 11,152.06				\$ 11,205.66
E	DOOR, WINDOW AND VENTILATION WORK (Material Brown Aluminiun, confirmation with the Owner)								
1	Door type D-1, including all accessories	unit	1.00	\$ 800.00	\$ 800.00	unit	1.00	\$ 525.00	\$ 525.00
2	Door type D-2, including all accessories	unit	2.00	\$ 500.00	\$ 1,000.00	unit	2.00	\$ 485.00	\$ 970.00
3	Door type D-3, including all accessories	unit	1.00	\$ 300.00	\$ 300.00	unit	1.00	\$ 250.00	\$ 250.00
4	Door type D-4, including all accessories	unit	2.00	\$ 300.00	\$ 600.00	unit	2.00	\$ 250.00	\$ 500.00
5	Door type D-5, including all accessories	unit	3.00	\$ 225.00	\$ 675.00	unit	3.00	\$ 250.00	\$ 750.00
6	Door type D-6, including all accessories	unit	1.00	\$ 225.00	\$ 225.00	unit	1.00	\$ 250.00	\$ 250.00
7	Door type D-7, including all accessories	unit	5.00	\$ 275.00	\$ 1,375.00	unit	5.00	\$ 250.00	\$ 1,250.00
8	Door type D-8, including all accessories	unit	4.00	\$ 275.00	\$ 1,100.00	unit	4.00	\$ 250.00	\$ 1,000.00
9	Door type D-9, including all accessories	unit	1.00	\$ 250.00	\$ 250.00	unit	1.00	\$ 230.00	\$ 230.00
10	Door type D-10, including all accessories	unit	6.00	\$ 200.00	\$ 1,200.00	unit	6.00	\$ 230.00	\$ 1,380.00
12	Door type DW-1, including all accessories	unit	8.00	\$ 200.00	\$ 1,600.00	unit	8.00	\$ 200.00	\$ 1,600.00
13	Door type DW-2, including all accessories	unit	1.00	\$ 1,500.00	\$ 1,500.00	unit	1.00	\$ 678.00	\$ 678.00
14	Door type DW-2, including all accessories (Material Square Hollow Steel)	unit	1.00	\$ 200.00	\$ 200.00	unit	1.00	\$ 300.00	\$ 300.00
15	Door type DW-3, including all accessories (Material Square Hollow Steel)	unit	1.00	\$ 300.00	\$ 300.00	unit	1.00	\$ 300.00	\$ 300.00
16	Window type W-1, including all accessories	unit	4.00	\$ 175.00	\$ 700.00	unit	4.00	\$ 117.50	\$ 470.00
17	Window type W-2, including all accessories	unit	2.00	\$ 250.00	\$ 500.00	unit	2.00	\$ 145.00	\$ 290.00
18	Window type W-3, including all accessories	unit	4.00	\$ 250.00	\$ 1,000.00	unit	4.00	\$ 154.00	\$ 616.00
19	Window type W-4, including all accessories	unit	2.00	\$ 275.00	\$ 550.00	unit	2.00	\$ 138.85	\$ 277.70
20	Window type W-5, including all accessories	unit	2.00	\$ 450.00	\$ 900.00	unit	2.00	\$ 295.00	\$ 590.00
21	Ventilation type BV-1, including all accessories	unit	3.00	\$ 125.00	\$ 375.00	unit	3.00	\$ 75.00	\$ 225.00
22	Ventilation type BV-2, including all accessories	unit	4.00	\$ 50.00	\$ 200.00	unit	4.00	\$ 50.00	\$ 200.00
23	Ventilation type BV-3, including all accessories	unit	4.00	\$ 75.00	\$ 300.00	unit	4.00	\$ 75.00	\$ 300.00
	Sub Total				\$ 16,750.00				\$ 13,951.70



AGENCIA DE DESENVOLVIMENTO NACIONAL, I.P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

ARCHITECTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
F	ROOF AND CEILING WORK								
1	Metal Roofing 0.42 mm (Australian standard)	m2	132.62	\$ 20.02	\$ 2,655.01	m2	132.62	\$ 20.26	\$ 2,686.34
2	Colourbond custom orb" 0.42 mm rooftop capping standard	m1	24.00	\$ 11.89	\$ 285.36	m1	24.00	\$ 15.47	\$ 371.28
3	Gutter roof Colourbond 0.42 mm include frame standard	m1	38.00	\$ 17.98	\$ 683.24	m1	38.00	\$ 14.62	\$ 555.56
4	Supply and install Lisplant GRC Board 200(x2)x10mm	m1	38.00	\$ 12.55	\$ 476.90	m1	38.00	\$ 15.47	\$ 587.06
	Sub Total				\$ 4,100.51				\$ 4,201.54
G	PAINT WORK								
1	Interior wall painting	m2	1447.01	\$ 3.46	\$ 5,006.65	m2	1,447.01	\$ 3.60	\$ 5,209.24
2	Exterior wall painting with weather bond type painting	m2	320.00	\$ 3.75	\$ 1,200.00	m2	320.00	\$ 3.75	\$ 1,200.00
3	Ceiling painting	m2	328.25	\$ 3.36	\$ 1,102.92	m2	328.25	\$ 3.50	\$ 1,148.88
	Sub Total				\$ 7,309.57				\$ 7,558.11
	TOTAL ARCHITECTURAL WORK				\$ 105,597.18				\$ 105,049.06



AGENCIA DE DESENVOLVIMENTO NACIONAL I.P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

STRUCTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	CONCRETE WORKS								
1	<u>Foundation Sub Structure</u>								
2	Lean Concrete, t = 10 cm - K125	m3	4.05	\$ 100.14	\$ 405.88	m3	4.05	\$ 166.31	\$ 674.08
3	Concrete foot plate 01, (800x600x250mm)	Concrete K 275	6.56	\$ 115.08	\$ 754.92	m3	6.56	\$ 178.27	\$ 1,169.45
		Reinforced	972.19	\$ 1.59	\$ 1,549.67	kg	972.19	\$ 1.87	\$ 1,818.00
		Formwork	32.80	\$ 19.57	\$ 641.90	m2	32.80	\$ 19.57	\$ 641.90
	Concrete foot plate 02, (600x600x250mm)	Concrete K 275	0.54	\$ 115.08	\$ 62.14	m3	0.54	\$ 178.27	\$ 96.27
		Reinforced	116.69	\$ 1.59	\$ 186.00	kg	116.69	\$ 1.87	\$ 218.21
		Formwork	3.60	\$ 19.57	\$ 70.45	m2	3.60	\$ 19.57	\$ 70.45
4	<u>Concrete Pedestal - K275</u>	Concrete K 275	3.54	\$ 115.08	\$ 407.04	m3	3.54	\$ 178.27	\$ 630.54
		Reinforced	848.75	\$ 1.59	\$ 1,352.91	kg	848.75	\$ 1.87	\$ 1,587.17
		Formwork	48.60	\$ 40.50	\$ 1,968.30	m2	48.60	\$ 43.63	\$ 2,120.42
5	<u>Concrete tie beam, 200x300mm</u>	Concrete K 275	12.64	\$ 115.08	\$ 1,454.50	m3	12.64	\$ 178.27	\$ 2,253.15
		Reinforced	2,688.40	\$ 1.59	\$ 4,285.31	kg	2,688.40	\$ 1.87	\$ 5,027.31
		Formwork	126.39	\$ 29.56	\$ 3,736.09	m2	126.39	\$ 53.20	\$ 6,723.95
6	<u>Concrete ground beam - K275</u>	Concrete K 275	22.07	\$ 115.08	\$ 2,540.28	m3	22.07	\$ 178.27	\$ 3,935.13
		Reinforced	4,695.29	\$ 1.59	\$ 7,484.29	kg	4,695.29	\$ 1.87	\$ 8,780.19
		Formwork	220.74	\$ 29.56	\$ 6,525.07	m2	220.74	\$ 53.20	\$ 7,215.99
7	<u>Concrete ground floor, t = 10 cm - K175 elev ±0.00</u>	Concrete K 175	38.40	\$ 104.27	\$ 4,003.97	m3	38.40	\$ 167.28	\$ 6,423.55
		Reinforced	3,033.60	\$ 1.59	\$ 4,835.55	kg	3,033.60	\$ 1.87	\$ 5,672.83
8	<u>Concrete Column C1, (300x300mm)</u>	Concrete K 275	15.87	\$ 115.08	\$ 1,825.97	m3	15.87	\$ 178.27	\$ 2,828.61
		Reinforced	2,424.05	\$ 1.59	\$ 3,863.94	kg	2,424.05	\$ 1.87	\$ 4,532.98
		Formwork	211.56	\$ 40.50	\$ 8,568.18	m2	211.56	\$ 43.63	\$ 9,230.36
9	<u>Concrete Column C2, (200x200mm)</u>	Concrete K 275	2.43	\$ 115.08	\$ 279.87	m3	2.43	\$ 178.27	\$ 433.55
		Reinforced	326.09	\$ 1.59	\$ 519.79	kg	326.09	\$ 1.87	\$ 609.79
		Formwork	49.64	\$ 40.50	\$ 1,969.92	m2	49.64	\$ 43.63	\$ 2,122.16
10	<u>Concrete Column C3, (150x150mm)</u>	Concrete K 275	7.58	\$ 115.08	\$ 872.77	m3	7.58	\$ 178.27	\$ 1,352.00
		Reinforced	1,023.33	\$ 1.59	\$ 1,631.20	kg	1,023.33	\$ 1.87	\$ 1,913.64
		Formwork	101.12	\$ 40.50	\$ 4,095.36	m2	101.12	\$ 43.63	\$ 4,411.87
11	<u>Ring Balok, 200x100mm</u>	Concrete K 275	5.84	\$ 115.08	\$ 671.84	m3	5.84	\$ 178.27	\$ 1,040.74
		Reinforced	1,104.74	\$ 1.59	\$ 1,760.96	kg	1,104.74	\$ 1.87	\$ 2,065.87
		Formwork	116.76	\$ 50.07	\$ 5,846.17	m2	116.76	\$ 53.20	\$ 6,211.63
12	<u>Concrete Consol - K275</u>	Concrete K 275	1.82	\$ 115.08	\$ 208.87	m3	1.82	\$ 178.27	\$ 323.56
		Reinforced	173.17	\$ 1.59	\$ 276.04	kg	173.17	\$ 1.87	\$ 323.63
		Formwork	14.00	\$ 50.07	\$ 700.98	m2	14.00	\$ 53.20	\$ 744.80
13	<u>Concrete Beam B2 - K275</u>	Concrete K 275	19.85	\$ 115.08	\$ 2,283.76	m3	19.85	\$ 178.27	\$ 3,537.77
		Reinforced	4,114.53	\$ 1.59	\$ 6,558.56	kg	4,114.53	\$ 1.87	\$ 7,694.17
		Formwork	255.15	\$ 50.07	\$ 12,775.36	m2	255.15	\$ 53.20	\$ 13,573.98
14	<u>Concrete Beam B3 - K275</u>	Concrete K 275	3.85	\$ 115.08	\$ 327.98	m3	2.85	\$ 178.27	\$ 508.07
		Reinforced	541.37	\$ 1.59	\$ 862.95	kg	541.37	\$ 1.87	\$ 1,012.37
		Formwork	45.60	\$ 50.07	\$ 2,283.19	m2	45.60	\$ 53.20	\$ 2,425.92
15	<u>Concrete Beam B4 - K275</u>	Concrete K 275	3.03	\$ 115.08	\$ 348.85	m3	3.03	\$ 178.27	\$ 539.62
		Reinforced	408.44	\$ 1.59	\$ 651.06	kg	408.44	\$ 1.87	\$ 763.79
		Formwork	55.50	\$ 50.07	\$ 2,778.63	m2	55.50	\$ 53.20	\$ 2,952.33
16	<u>Concrete plate and roof, t = 120 mm - K175 for elev ±4.00</u>	Concrete K 175	26.42	\$ 104.27	\$ 2,755.28	m3	26.42	\$ 167.28	\$ 4,420.21
		Reinforced	2,173.81	\$ 1.59	\$ 3,465.06	kg	2,173.81	\$ 1.87	\$ 4,065.03
		Formwork	220.20	\$ 50.07	\$ 11,025.41	m2	220.20	\$ 53.20	\$ 11,714.64
17	<u>Concrete plate and roof, t = 120 mm - K175 for elev ±4.500 ± 5.00</u>	Concrete K 175	8.40	\$ 104.27	\$ 875.87	m3	8.40	\$ 167.28	\$ 1,405.15
		Reinforced	1,036.56	\$ 1.59	\$ 1,652.28	kg	1,036.56	\$ 1.87	\$ 1,938.37
		Formwork	70.00	\$ 50.07	\$ 3,504.90	m2	70.00	\$ 53.20	\$ 3,724.00

PROJECT OWNER : MINISTERIO DO INTERIOR
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STRUCTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
18	Concrete table, t = 100 mm - K175	Concrete K 175	m3	0.24	\$ 104.27	\$ 25.02	m3	0.24	\$ 167.28	\$ 40.15
		Reinforced	kg	23.69	\$ 1.59	\$ 37.77	kg	23.69	\$ 1.87	\$ 44.51
		Formwork	m2	2.40	\$ 50.07	\$ 120.17	m2	2.40	\$ 53.20	\$ 127.68
19	Concrete For Armory Room	Concrete K 275	m3	16.06	\$ 115.08	\$ 1,848.18	m3	16.06	\$ 167.28	\$ 2,686.52
		Reinforced	kg	835.12	\$ 1.59	\$ 1,331.18	kg	835.12	\$ 1.87	\$ 1,561.67
		Formwork	m2	80.30	\$ 50.07	\$ 4,020.62	m2	80.30	\$ 53.20	\$ 4,271.96
		Sub Total			\$ 134,887.68				\$ 162,211.68	
S	ROOFING WORK									
1	Steel plate 300x300x12 mm		kg	33.23	\$ 3.64	\$ 120.97	kg	33.23	\$ 2.44	\$ 81.09
2	Anchor bolt d16mm		kg	30.34	\$ 1.59	\$ 48.36	kg	30.34	\$ 1.87	\$ 56.73
3	Steel frame, type WF 200x100x5.5x8 mm for trusses		kg	777.02	\$ 3.64	\$ 2,828.37	kg	777.02	\$ 4.12	\$ 3,201.34
4	Steel frame, type WF 150x75x5x7 mm for trusses		kg	1,282.40	\$ 3.64	\$ 4,667.94	kg	1,282.40	\$ 4.12	\$ 5,283.49
5	Steel frame, type WF 300x270x8 mm for trusses		kg	119.38	\$ 3.64	\$ 434.54	kg	119.38	\$ 4.12	\$ 491.95
6	Steel profile type C 150x50x3.2 mm for purlin		kg	816.10	\$ 1.81	\$ 1,477.14	kg	816.10	\$ 2.53	\$ 2,064.73
7	Steel bar d10mm for bracing purlin		kg	17.28	\$ 1.59	\$ 27.54	kg	17.28	\$ 1.87	\$ 32.31
8	Steel plate 150x150x10 mm		kg	127.17	\$ 3.64	\$ 462.90	kg	127.17	\$ 2.44	\$ 310.29
9	Steel L 30X30X3 mm		kg	60.21	\$ 2.15	\$ 129.45	kg	60.21	\$ 2.44	\$ 146.91
	Sub Total				\$ 10,197.20				\$ 11,668.73	
	TOTAL STRUCTURAL WORK				\$ 145,084.87				\$ 173,080.41	

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	PLUMBING WORK								
1	1st WASTE WATER PIPE installation								
1	Pipe PVC Ø 4 inch	M1	60.00	\$ 13.70	\$ 822.00	M1	60.00	\$ 19.69	\$ 1,181.40
2	Pipe PVC Ø 2 inch	M1	30.00	\$ 10.30	\$ 309.00	M1	30.00	\$ 8.66	\$ 259.80
3	pipe pvc elbow 4 inch	pcs	3.00	\$ 21.70	\$ 173.60	pcs	8.00	\$ 25.90	\$ 207.20
4	pipe pvc elbow 2 inch	pcs	4.00	\$ 8.00	\$ 32.00	pcs	4.00	\$ 6.81	\$ 27.24
5	pipe pvc TEE 4 inch	pcs	5.00	\$ 21.70	\$ 108.50	pcs	5.00	\$ 12.60	\$ 63.00
6	pipe pvc TEE 2 inch	pcs	3.00	\$ 8.00	\$ 24.00	pcs	3.00	\$ 3.00	\$ 9.00
7	pipe Reduzer 4-2 inch	pcs	11.00	\$ 10.00	\$ 110.00				
8	Floor drain stainless	pcs	16.00	\$ 5.97	\$ 95.52	pcs	16.00	\$ 5.97	\$ 95.52
9	Supply and install seat closet complete with accessories	unit	8.00	\$ 273.46	\$ 2,187.68	unit	8.00	\$ 364.31	\$ 2,914.48
10	Supply and install squad closet complete with accessories	unit	2.00	\$ 75.62	\$ 151.24	unit	2.00	\$ 79.70	\$ 159.40
11	Supply and install wastafel complete with accessories	unit	6.00	\$ 187.71	\$ 1,126.26	unit	6.00	\$ 115.71	\$ 694.26
12	Supply and install urinario complete with accessories	unit	1.00	\$ 297.00	\$ 297.00	unit	1.00	\$ 357.08	\$ 357.08
13	Supply and install double bowl kitchen sink complete with accessories	unit	1.00	\$ 450.00	\$ 450.00	unit	1.00	\$ 176.72	\$ 176.72
	RAIN WATER installation								
14	Pipe PVC Ø 6 inch	M1	40.00	\$ 18.00	\$ 720.00	M1	40.00	\$ 23.40	\$ 936.00
15	Pipe PVC Ø 4 inch	M1	80.00	\$ 13.70	\$ 1,096.00	M1	80.00	\$ 19.69	\$ 1,575.20
	2nd COLD WATER PIPE installation								
16	pvc pipe elbow 1/2 inch	pcs	2.00	\$ 5.00	\$ 10.00	pcs	2.00	\$ 5.00	\$ 10.00
17	pvc pipe elbow 1 inch	pcs	7.00	\$ 6.00	\$ 42.00	pcs	7.00	\$ 6.00	\$ 42.00
18	pvc pipe TEE 1 inch	pcs	16.00	\$ 5.00	\$ 80.00	pcs	16.00	\$ 5.00	\$ 80.00
19	pipe Reduzer 1-1/2 inch	pcs	16.00	\$ 8.00	\$ 128.00				
20	Pipe PVC 1 inch	M1	60.00	\$ 3.23	\$ 193.80	M1	60.00	\$ 3.20	\$ 192.00
21	Pipe PVC Ø 1/2 inch	M1	20.00	\$ 2.71	\$ 54.20	M1	20.00	\$ 2.23	\$ 44.60
22	Gate valve Ø 25 mm	pcs	3.00	\$ 26.00	\$ 78.00	pcs	3.00	\$ 26.00	\$ 78.00
23	Supply and Install Water Faucet	pcs	18.00	\$ 5.98	\$ 107.64	pcs	18.00	\$ 8.08	\$ 145.44
	WLC+ Installation Cable Control								
24	WLC+ Installation cable control	lot	1.00	\$ 20.00	\$ 20.00	lot	1.00	\$ 20.00	\$ 20.00
25	Distribution pump cold water Pacaged (1 unit pump)	SET	1.00	\$ 250.00	\$ 250.00	SET	1.00	\$ 250.00	\$ 250.00
	TORRE								
27	Foot Plate, 800x800x350mm								
	Concrete 24 Mpa	m3	0.90	\$ 115.08	\$ 103.11	m3	0.90	\$ 178.27	\$ 159.73
	Reinforced D16mm	Kg	50.50	\$ 1.59	\$ 80.49	Kg	50.50	\$ 1.87	\$ 94.43
28	Tei Beam, 200x350x250mm	Formwork	m2	1.60	\$ 19.57	m2	1.60	\$ 19.57	\$ 31.31
	Concrete 24 Mpa	m3	0.70	\$ 115.08	\$ 80.56	m3	0.70	\$ 178.27	\$ 124.79
	Reinforced D16mm	Kg	126.24	\$ 1.59	\$ 201.23	Kg	126.24	\$ 1.87	\$ 236.07
	Reinforced Ø8mm	Kg	21.76	\$ 1.59	\$ 34.69	Kg	21.76	\$ 1.87	\$ 40.69
29	Sloof, 200x300x250mm	Formwork	m2	3.50	\$ 50.07	m2	3.50	\$ 53.20	\$ 186.20
	Concrete 24 Mpa	m3	0.60	\$ 115.08	\$ 69.05	m3	0.60	\$ 178.27	\$ 106.96
	Reinforced D16mm	Kg	126.24	\$ 1.59	\$ 201.23	Kg	126.24	\$ 1.87	\$ 236.07
	Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
30	Beam 1 (250x450x250mm)	Formwork	m2	9.00	\$ 29.56	m2	9.00	\$ 32.69	\$ 294.21
	Concrete 24 Mpa	m3	1.13	\$ 115.08	\$ 129.47	m3	1.13	\$ 178.27	\$ 200.55
	Reinforced D16mm	Kg	157.80	\$ 1.59	\$ 251.53	Kg	157.80	\$ 1.87	\$ 295.09
	Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
31	Beam 2 (250x450x250mm)	Formwork	m2	12.50	\$ 50.07	m2	12.50	\$ 53.20	\$ 665.00
	Concrete 24 Mpa	m3	1.13	\$ 115.08	\$ 139.47	m3	1.13	\$ 178.27	\$ 200.55
	Reinforced D16mm	Kg	157.80	\$ 1.59	\$ 251.53	Kg	157.80	\$ 1.87	\$ 295.09
	Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
32	Beam 3 (200x300x250mm)	Formwork	m2	12.50	\$ 50.07	m2	12.50	\$ 53.20	\$ 665.00
	Concrete 24 Mpa	m3	0.30	\$ 115.08	\$ 34.52	m3	0.30	\$ 178.27	\$ 53.48
	Reinforced D16mm	Kg	63.12	\$ 1.59	\$ 100.61	Kg	63.12	\$ 1.87	\$ 118.03
	Reinforced Ø8mm	Kg	16.00	\$ 1.59	\$ 25.50	Kg	16.00	\$ 1.87	\$ 29.92
33	Finish Floor Concrete	Formwork	m2	4.50	\$ 50.07	m2	4.50	\$ 53.20	\$ 239.40
	Concrete 24 Mpa	m3	0.31	\$ 115.08	\$ 35.96	m3	0.31	\$ 178.27	\$ 55.71
	Formwork	m2	1.00	\$ 50.07	\$ 50.07	m2	1.00	\$ 53.20	\$ 53.20
34	Railing								
	Hollow 40x40, T=2mm	m	116.50	\$ 1.45	\$ 168.93	m	116.50	\$ 1.45	\$ 168.93
	Hollow 80x80, T=2mm	m	12.00	\$ 1.45	\$ 17.40	m	12.00	\$ 1.45	\$ 17.40
	Steel Plate 80x80, T=4mm	Sh	3.00	\$ 50.00	\$ 150.00	Bh	3.00	\$ 50.00	\$ 150.00
	Dina Bolt M10	Bh	33.00	\$ 12.00	\$ 396.00	Bh	33.00	\$ 1.50	\$ 49.50



AGENCIA DE DESENVOLVIMENTO NACIONAL I.P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
35	Water tank (3200 ltr) - National product, Ex. Rotomor Polypipe (SN1/Australian), 3/4 inch Sarvo (SHIMIZU 3 HP) - provide all accessories Water pipe line and instalation	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 504.00	\$ 504.00
		Roll	5.00	\$ 500.00	\$ 2,500.00	Roll	5.00	\$ 84.00	\$ 420.00
		Unit	1.00	\$ 250.00	\$ 250.00	Unit	1.00	\$ 125.00	\$ 125.00
		Ls	1.00	\$ 2,500.00	\$ 2,500.00	Ls	1.00	\$ 500.00	\$ 500.00
		Sub Total							\$ 16,014.17
B Septictank									
1	Excavation	m3	12.00	\$ 5.91	\$ 70.92	m3	12.00	\$ 5.91	\$ 70.92
2	sand bedding	m3	0.60	\$ 8.93	\$ 5.36	m3	0.60	\$ 8.93	\$ 5.36
3	concrete slab	m3	0.53	\$ 115.08	\$ 61.22	m3	0.53	\$ 166.31	\$ 88.48
4	concrete column	Concrete K 275	0.60	\$ 115.08	\$ 69.05	m3	0.60	\$ 178.27	\$ 106.96
		Reinforced	kg	95.99	\$ 1.59	kg	95.99	\$ 1.87	\$ 179.50
		Formwork	m2	12.00	\$ 40.50	m2	12.00	\$ 43.63	\$ 523.56
5	concrete for top septictank	Concrete K 275	0.53	\$ 115.08	\$ 61.22	m3	0.53	\$ 178.27	\$ 94.94
		Reinforced	kg	43.77	\$ 1.59	kg	43.77	\$ 1.87	\$ 81.84
		Formwork	m2	5.32	\$ 50.07	m2	5.32	\$ 53.20	\$ 283.02
6	Pipe PVC dia. 4"	m'	6.00	\$ 10.30	\$ 61.80	m'	6.00	\$ 19.69	\$ 118.14
7	Pipe PVC dia. 2"	m'	2.00	\$ 10.30	\$ 20.60	m'	2.00	\$ 8.66	\$ 17.32
8	Tee PVC dia. 4"	Unit	1.00	\$ 21.70	\$ 21.70	Unit	1.00	\$ 12.60	\$ 12.60
9	Tee PVC dia. 2"	Unit	1.00	\$ 8.00	\$ 8.00	Unit	1.00	\$ 3.00	\$ 3.00
10	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)	m2	37.29	\$ 13.54	\$ 504.91	m2	37.29	\$ 15.96	\$ 595.15
11	Ordinary wall plaster (1 cement : 4 sand)	m2	37.29	\$ 4.99	\$ 186.08	m2	37.29	\$ 6.04	\$ 225.23
12	Wall Cement render	m2	37.29	\$ 3.27	\$ 121.94	m2	37.29	\$ 3.32	\$ 123.80
C Diffusion and Installation pipe Complete									
1	Excavation	m3	6.50	\$ 5.91	\$ 38.42	m3	6.50	\$ 5.91	\$ 38.42
2	concrete for top diffusion	Concrete K 275	0.52	\$ 115.08	\$ 59.84	m3	0.52	\$ 178.27	\$ 92.70
3		Reinforced	kg	26.65	\$ 1.59	kg	26.65	\$ 1.87	\$ 49.84
		Formwork	m2	2.60	\$ 50.07	m2	2.60	\$ 53.20	\$ 138.52
4	Gravel 20x20 mm	m3	2.21	\$ 35.00	\$ 77.18	m3	2.21	\$ 55.00	\$ 77.18
5	Fibre of Palmtree	m2	14.25	\$ 10.00	\$ 142.50	m2	14.25	\$ 10.00	\$ 142.50
6	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)	m2	14.25	\$ 13.54	\$ 192.95	m2	14.25	\$ 15.96	\$ 227.43
7	Ordinary wall plaster (1 cement : 4 sand)	m2	14.25	\$ 4.99	\$ 71.11	m2	14.25	\$ 6.04	\$ 86.07
8	Cement render	m2	14.25	\$ 3.27	\$ 46.60	m2	14.25	\$ 3.32	\$ 47.31
		Sub Total							\$ 3,429.49
		Total Septictank & Diffusion							\$ 3,429.49
		Total for Plumbing Work							\$ 19,443.66
B ELECTRICAL									
I	Medium Voltage Line 20 KV								
	Supply and install all these equipments complete with all necessary fittings and accessories required refer on drawing								
1	Concrete Pole 12 M 350 daN	unit	4.00	\$ 769.76	\$ 3,079.04	unit	4.00	\$ 642.10	\$ 2,568.40
2	AAC - S 1 x 70 mm ²	m	50.00	\$ 6.00	\$ 300.00	m	50.00	\$ 3.38	\$ 169.00
3	Plm post insulator	Unit	12.00	\$ 50.00	\$ 600.00	Unit	12.00	\$ 25.00	\$ 300.00
4	Hang Insulator (Complit with Accesories)	set	2.00	\$ 150.00	\$ 300.00	set	2.00	\$ 60.00	\$ 120.00
5	Fuse Cut outs	set	1.00	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
6	Cross arm A1 Channel UNP 1.8 Meter (Galvanized) (Begel)	Unit	1.00	\$ 85.00	\$ 85.00	Unit	1.00	\$ 63.90	\$ 63.90
7	Cross arm A2 channel UNP 2 Meter (Galvanized) (Begel)	Unit	6.00	\$ 150.00	\$ 900.00	Unit	6.00	\$ 112.76	\$ 676.56
8	Braco for Support cross arm (127) (Begel)	Unit	7.00	\$ 25.00	\$ 175.00	Unit	7.00	\$ 18.80	\$ 131.60
9	Helical / Filica	m	18.00	\$ 3.50	\$ 63.00	m	18.00	\$ 2.25	\$ 40.50
10	Climber Protection	Unit	3.00	\$ 8.00	\$ 24.00	Unit	3.00	\$ 6.01	\$ 18.03
11	Warning Sign	Unit	3.00	\$ 8.00	\$ 24.00	Unit	3.00	\$ 6.01	\$ 18.03
12	Truckschoer (Assembly)	Unit	4.00	\$ 3.36	\$ 13.44	Unit	4.00	\$ 97.71	\$ 390.84
13	Parallel Groove Connector (AL) 35 - 150mm ²	Unit	6.00	\$ 8.96	\$ 53.76	Unit	6.00	\$ 3.01	\$ 18.06
14	Construction material (Stone,sand,cement,iron,wire)	Unit	3.00	\$ 12.00	\$ 36.00	Unit	3.00	\$ 19.48	\$ 58.44
		Sub Total							\$ 4,653.36



PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, IP			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
II	New Transformer 20 KV/400 V								
1	Administration Fee EDTL (power connection)	ls	1	\$ 550.00	\$ 550.00	ls	1.00	\$ 550.00	\$ 550.00
2	Supply & Install immersed Oil Transformer 50 KVA D Yzn5 - 3 phase 20kV - 400 V + Accessories	unit	1	\$ 7,275.00	\$ 7,275.00	unit	1.00	\$ 7,035.00	\$ 7,035.00
3	N2XSEBY 3x95 mm ² (24 kv) Underground Cable	m	30	\$ 68.17	\$ 2,045.10	m	30.00	\$ 68.17	\$ 2,045.10
4	Fuse Cut Out	set	1	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
5	Lightning Arrester 24 KV	set	1	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
6	Termination Clamp 50 mm	unit	30	\$ 12.00	\$ 360.00	unit	30.00	\$ 18.88	\$ 56.40
7	Raycham Indoor	set	1	\$ 500.00	\$ 500.00	set	1.00	\$ 500.00	\$ 500.00
8	Raycham Outdoor	set	1	\$ 500.00	\$ 500.00	set	1.00	\$ 500.00	\$ 500.00
9	Galvanized pipe 3" (6 m) include Acc.	unit	4	\$ 105.00	\$ 420.00	unit	4.00	\$ 75.17	\$ 300.68
10	NYFGBY 4x35 mm ² to Panel CONTROL	m	15	\$ 43.85	\$ 657.75	m	15.00	\$ 43.85	\$ 657.75
	Sub Total				\$ 13,203.85				\$ 11,804.93
III	M V M D P (Medium Voltage Distribution Panel 20 KV)								
	Free standing - metal enclosed cubicle, fixed type, galvanized metal sheet								
	- Rated voltage : 24 kV								
	- Service voltage : 20 kV								
1	Incoming Cubicle	set	1	\$ 4,909.09	\$ 4,909.09	set	1.00	\$ 4,909.09	\$ 4,909.09
	- SF6 manually operated LBS (400 A)								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
2	Transformer Protection Cubicle; Outgoing	set	1	\$ 6,676.36	\$ 6,676.36	set	1.00	\$ 6,676.36	\$ 6,676.36
	- SF6 manually operated LBS (400 A) with fuse mounted below + shunt trip 220 VAC								
	- 1 set HRC fuse (125 A-20 kV) with striker pin								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
3	Voltage Measurement Cubicle; Outgoing	set	1	\$ 7,069.09	\$ 7,069.09	set	1.00	\$ 7,069.09	\$ 7,069.09
	- SF6 manually operated LBS (400 A)								
	- 1 set potential transformer 20 KV/110 V								
	- 1 set HRC fuse (6.3 A-20 kV)								
	- 1 Unit Voltmeter 0 - 20 kV + VSS 7 Spots								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
	Sub Total				\$ 18,654.54				\$ 18,654.54
IV	Power station:								
1	Power Backup Silent Generator perkins 50 KVA	Unit	1.00	\$ 8,000.00	\$ 8,000.00	Unit	1.00	\$ 8,000.00	\$ 8,000.00
2	Supply and Install PANEL CONTROL 600X400X200 include all accessories	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 861.36	\$ 861.36
3	Supply and Install OCB 175-250A 4P	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 150.00	\$ 150.00
4	Supply and Install MCCB 80A 3P	Unit	1.00	\$ 100.98	\$ 100.98	Unit	1.00	\$ 100.98	\$ 100.98
5	Supply and Install Cable NYK 4X10mm ² -PVC	m1	30.00	\$ 14.42	\$ 432.60	m1	30.00	\$ 13.57	\$ 407.10
V	Supply and Install PANEL SDP-A 600X400X200 include all accessories	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 188.88	\$ 188.88
1	Supply and Install MCCB 50A 3P	Unit	1.00	\$ 86.28	\$ 86.28	Unit	1.00	\$ 86.28	\$ 86.28
2	Supply and Install MCB 6A 1P	Unit	17.00	\$ 9.63	\$ 163.71	Unit	17.00	\$ 8.58	\$ 145.86
3	Supply and Install MCB 10A 1P	Unit	5.00	\$ 12.78	\$ 63.90	Unit	5.00	\$ 9.11	\$ 45.55
4	Supply and Install MCB 16A 1P	Unit	1.00	\$ 15.93	\$ 15.93	Unit	1.00	\$ 9.11	\$ 9.11
5	Supply and Install MCB 20A 1P	Unit	2.00	\$ 18.03	\$ 36.06	Unit	2.00	\$ 9.11	\$ 18.22
6	Supply and Install Fluorescent TL 2X36W	Unit	23.00	\$ 50.00	\$ 1,150.00	Unit	23.00	\$ 54.78	\$ 1,259.94
7	Supply and Install Downlight 15W	Unit	15.00	\$ 15.00	\$ 225.00	Unit	15.00	\$ 15.93	\$ 238.95
8	Supply and Install Circular Light 25W	Unit	4.00	\$ 25.00	\$ 100.00	Unit	4.00	\$ 25.00	\$ 100.00
9	Supply and install Downlight 7 W	Unit	18.00	\$ 7.00	\$ 126.00	Unit	18.00	\$ 10.41	\$ 187.38
10	Supply and Install Exhaust Fan	Unit	6.00	\$ 49.03	\$ 294.18	Unit	6.00	\$ 42.18	\$ 253.08



AGENCIA DE DESENVOLVIMENTO NACIONAL - ADN

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
11	Supply and Install Power Outlet 250VA	Unit	55.00	\$ 8.00	\$ 440.00	Unit	55.00	\$ 5.67	\$ 311.85
12	Supply and install Single switch	Unit	31.00	\$ 6.00	\$ 186.00	Unit	31.00	\$ 5.15	\$ 159.65
13	Supply and Install Double switch	Unit	15.00	\$ 8.00	\$ 120.00	Unit	15.00	\$ 5.67	\$ 85.05
V TRAY CABLE:		Sub Total			\$ 12,690.64				\$ 12,609.24
1	Tray Cable 400x100 with cover		M1	24	\$ 40.35	\$ 968.40	M1	24.00	\$ 40.35
2	Supply and Install Cable NYM 3X2.5mm + PVC	m1	500	\$ 4.50	\$ 2,250.00	m1	500.00	\$ 3.98	\$ 1,990.00
3	Supply and Install Cable NYM 3X1.5mm + PVC	m1	400	\$ 3.50	\$ 1,400.00	m1	400.00	\$ 3.49	\$ 1,394.60
Total TRAY CABLE Work					\$ 4,618.40				\$ 4,353.00
Total Electrical Work					\$ 55,268.67				\$ 52,075.07
VI AIR CONDITIONAL (AC)									
Supply and Install PANEL AC 600X400X200 include all accessories									
Supply and Install MCCB 40A 3P		Unit	1.00	\$ 75.00	\$ 75.00	Unit	1.00	\$ 75.00	\$ 75.00
Supply and Install MCB 6A		Unit	1.00	\$ 9.63	\$ 9.63	Unit	1.00	\$ 8.58	\$ 8.58
Supply and Install MCB 10A		Unit	14.00	\$ 12.78	\$ 178.92	Unit	14.00	\$ 9.11	\$ 127.54
Supply and Install AC 9000 BTU		Unit	14.00	\$ 354.13	\$ 4,957.82	Unit	14.00	\$ 432.88	\$ 6,060.32
power outlet for AC		Unit	14.00	\$ 8.00	\$ 112.00	Unit	14.00	\$ 5.67	\$ 79.38
Installation power outlet AC 9000 BTU with cable NYM 3X2.5 mm in conduit 20 mm pvc		Point	14.00	\$ 25.00	\$ 350.00	Point	14.00	\$ 27.25	\$ 381.50
Pipe refrigerant for AC 9000 BTU		m1	13.00	\$ 5.00	\$ 65.00	m1	13.00	\$ 5.00	\$ 65.00
Supply and Install Ceiling Fan + Remote control		Unit	2.00	\$ 95.00	\$ 190.00	Unit	2.00	\$ 86.28	\$ 172.56
Total Air Conditioning (AC) Work					\$ 5,938.37				\$ 6,969.88
VII CCTV									
Supply and Install all item									
a. NVR 16 channel camera input, tru real time display Hardisk 1 t8 MPBG 4 built in network		unit	1.00	\$ 500.00	\$ 500.00	unit	1.00	\$ 415.59	\$ 415.59
b. Keyboard controller PT2		unit	1.00	\$ 14.04	\$ 14.04	unit	1.00	\$ 14.04	\$ 14.04
c. LCD Monitor 32" colour		unit	1.00	\$ 250.00	\$ 250.00	unit	1.00	\$ 313.26	\$ 313.26
d. UPS 1 KVA complete with Backup battery 15 minit		unit	1.00	\$ 300.00	\$ 300.00	unit	1.00	\$ 300.00	\$ 300.00
f. Cable installation network		Roll	2.00	\$ 92.00	\$ 184.00	Roll	2.00	\$ 63.89	\$ 127.78
g. Dome camera colour hikvision 8 mpx indoor camera		unit	4.00	\$ 250.00	\$ 1,000.00	unit	4.00	\$ 217.41	\$ 869.64
h. Bullet Camera hikvision 8 mpx outdoor camera		unit	5.00	\$ 300.00	\$ 1,500.00	unit	5.00	\$ 281.69	\$ 1,408.45
i. CABLE CAT6 (300m)		Roll	1.00	\$ 250.00	\$ 250.00	Roll	1.00	\$ 253.51	\$ 253.51
Test and commissioning		lot	1.00	\$ 100.00	\$ 100.00	lot	1.00	\$ 100.00	\$ 100.00
Total for CCTV Work					\$ 4,098.04				\$ 3,802.27



PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
VIII	FIRE ALARM								
	Supply and Install all item								
	MAIN UNIT :								
	MCFA Single ZONE	un	1.00	\$ 438.00	\$ 438.00	un	1.00	\$ 438.00	\$ 438.00
	ANUNCIATOR	un	1.00	\$ 228.00	\$ 228.00	un	1.00	\$ 228.00	\$ 228.00
	Cable leader from MCFA to ANNUNCIATOR	m	35.00	\$ 2.50	\$ 87.50	m	35.00	\$ 2.50	\$ 87.50
	Installation smoke detector with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	15.00	\$ 50.00	\$ 750.00	Point	15.00	\$ 50.00	\$ 750.00
	Installation Heat detector with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	6.00	\$ 50.00	\$ 300.00	Point	6.00	\$ 50.00	\$ 300.00
	Installation ALARM BELL with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	2.00	\$ 25.00	\$ 50.00	Point	2.00	\$ 25.00	\$ 50.00
	Installation INDICATOR LAMP with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	2.00	\$ 25.00	\$ 50.00	Point	2.00	\$ 25.00	\$ 50.00
	Smoke Detector	un	15.00	\$ 75.50	\$ 1,132.50	un	15.00	\$ 75.50	\$ 627.50
	Heat Detector	un	6.00	\$ 75.50	\$ 453.00	un	6.00	\$ 75.50	\$ 453.00
	Alarm bell	un	1.00	\$ 52.81	\$ 52.81	un	1.00	\$ 52.81	\$ 52.81
	Push button	un	1.00	\$ 61.58	\$ 61.58	un	1.00	\$ 61.58	\$ 61.58
	Indicator lamp	un	1.00	\$ 52.81	\$ 52.81	un	1.00	\$ 52.81	\$ 52.81
	TB Box	un	1.00	\$ 39.91	\$ 39.91	un	1.00	\$ 39.91	\$ 39.91
	EOL	un	2.00	\$ 0.70	\$ 1.40	un	2.00	\$ 0.70	\$ 1.40
	Test and commissioning	lot	1.00	\$ 500.00	\$ 500.00	lot	1.00	\$ 500.00	\$ 500.00
	Total Fire Alarm Work				\$ 4,197.51				\$ 3,692.61
IX	FIRE PROTECTION								
	Supply and Install all item								
	Fire Extinguiser type ABC Powder cap : 5 kg	un	3.00	\$ 75.00	\$ 225.00	un	3.00	\$ 75.00	\$ 225.00
	Total for Fire Protection Work				\$ 225.00				\$ 225.00
X	SOUND SYSTEM AUDITORIUM ROOM								
	Supply and Install all item								
	Power Amplifier 125 W	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 500.00	\$ 500.00
	Mixer amplifier 12 channel	Unit	1.00	\$ 315.79	\$ 315.79	Unit	1.00	\$ 315.79	\$ 315.79
	DVD/USB/BT	Unit	1.00	\$ 80.00	\$ 80.00	Unit	1.00	\$ 80.00	\$ 80.00
	SUBWOOFER	Unit	1.00	\$ 223.68	\$ 223.68	Unit	1.00	\$ 223.68	\$ 223.68
	Ceiling Speaker	Unit	25.00	\$ 45.00	\$ 1,125.00	Unit	25.00	\$ 41.04	\$ 1,026.00
	Volume Speaker	Unit	11.00	\$ 15.00	\$ 165.00	Unit	11.00	\$ 15.00	\$ 165.00
	MIC Triport	Unit	1.00	\$ 15.00	\$ 15.00	Unit	1.00	\$ 15.00	\$ 15.00
	Mic wireless	Unit	2.00	\$ 61.40	\$ 122.80	Unit	2.00	\$ 61.40	\$ 122.80
	Cabinet rack 32 c/w acc (Rack server 32U, standing close Rack glass Door(IR6032G), 19 inch Cabinet Rack Dimension 600Dx600Wx160SH mm, 82 kg)	Unit	1.00	\$ 950.00	\$ 950.00	Unit	1.00	\$ 932.76	\$ 932.76
	Cable mic	M1	5.00	\$ 3.50	\$ 17.50	M1	5.00	\$ 3.50	\$ 17.50
	Cable speaker OLFLEX KABEL 2 X 1,5 mm in HIC connector for cable to speaker/sound	M1	200.00	\$ 3.50	\$ 700.00	M1	200.00	\$ 2.50	\$ 500.00
	Test and commissioning	pes	10.00	\$ 27.63	\$ 276.30	pes	10.00	\$ 27.63	\$ 276.30
	Total for Sound System Work	lot	1.00	\$ 13.16	\$ 13.16	lot	1.00	\$ 13.16	\$ 13.16
H	LIGHTING PROTECTION								
	Supply and Install all item								
	Head protection lighting radius 35 m	un	1.00	\$ 328.95	\$ 328.95	un	1.00	\$ 328.95	\$ 328.95
	support pipe GIP Ø 50 mm	un	1.00	\$ 166.90	\$ 166.90	un	1.00	\$ 166.90	\$ 166.90
	Cable NYK 1 x 70 mm	m	40.00	\$ 13.73	\$ 549.20	m	40.00	\$ 12.78	\$ 511.20
	Grounding rod Ø 25 mm	m	6.00	\$ 217.60	\$ 1,305.60	m	6.00	\$ 217.60	\$ 1,305.60
	Box control 40 x 40 cm	un	1.00	\$ 70.18	\$ 70.18	un	1.00	\$ 70.18	\$ 70.18
	Test and commissioning	lot	1.00	\$ 87.72	\$ 87.72	lot	1.00	\$ 87.72	\$ 87.72
	Total for Lighting Protection Work				\$ 2,508.55				\$ 2,470.55
I	TELEPHONE								
	Supply and Install all item								
	Penyambungan jaringan baru TELKOM 3 line								
	PABX 2-5 ch + 2 port + 30 port	Unit	1.00	\$ 456.14	\$ 456.14	Unit	1.00	\$ 456.14	\$ 456.14
	Wall mount rack (Rack server 15U, WallMount rack single glass door (WIR4515S), 19 inch Cabinet rack, Dimension 4500Dx600Wx780H mm and Weight 30 kg)	Unit	1.00	\$ 375.00	\$ 375.00	Unit	1.00	\$ 371.01	\$ 371.01

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
	Printer standart hp(Laserjet Pro MFP M125a) black and colour	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 220.14	\$ 220.14
	Kabel ITC 10 x 0,6 pair in pipe PVC 1,5 "	m	70.00	\$ 4.82	\$ 337.40	m	70.00	\$ 4.82	\$ 337.40
	UPS 2 Kva	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 370.01	\$ 370.01
	Terminal Box 20 pair	Unit	1.00	\$ 35.09	\$ 35.09	Unit	1.00	\$ 35.09	\$ 35.09
	Instalasi outlet telepon	Point	13.00	\$ 15.88	\$ 206.44	Point	13.00	\$ 14.00	\$ 182.00
	Outlet telepon	pcs	18.00	\$ 8.95	\$ 161.10	pcs	18.00	\$ 8.95	\$ 161.10
	Instalasi outlet telepon direct	Unit	5.00	\$ 50.00	\$ 250.00	Unit	5.00	\$ 50.00	\$ 250.00
	Total for Telephone Work				\$ 2,821.17				\$ 2,382.89
	LAN/DATA								
	Supply and Install all item								
	Cabinet rack 32 c/w acc (Rack server 32U, standing close Rack glass Door{IR6032G}, 19 inch Cabinet Rack, Dimension 600Dx600Wx1605H mm, 82 kg)	Unit	1.00	\$ 950.00	\$ 950.00	Unit	1.00	\$ 932.76	\$ 932.76
	UPS 2 Kva	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 395.01	\$ 395.01
	Switch 24 Port/RG-NES3100-24GT4SPP-P)	Unit	1.00	\$ 570.00	\$ 570.00	Unit	1.00	\$ 558.29	\$ 558.29
	PATCH Panel 24 port	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 129.62	\$ 129.62
	Instalasi data	point	15.00	\$ 14.95	\$ 224.25	point	15.00	\$	\$
	acces point(Wifi RG-720L))	point	4.00	\$ 120.00	\$ 480.00	point	4.00	\$ 14.95	\$ 59.80
	Outlet data (Simon)	pcs	15.00	\$ 9.56	\$ 143.40	pcs	15.00	\$ 125.14	\$ 1,877.10
	Cable UTP Cat 5 in conduit 20 mm (300m)	roll	1.00	\$ 250.00	\$ 250.00	roll	1.00	\$ 9.56	\$ 9.56
	Test and commissioning	lot	1.00	\$ 500.00	\$ 500.00	lot	1.00	\$ 250.00	\$ 250.00
	Total for LAN/DATA Work				\$ 3,767.65				\$ 4,212.14
	Total for Mechanical Work				\$ 28,060.52				\$ 27,943.33
	TOTAL MEP WORK				\$ 105,328.84				\$ 99,462.06

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, IP				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
I	PRELIMINARY WORK									
1	Sand filling, t = 10 cm	m3	86.60	\$ 8.93	\$ 773.34	m3	86.60	\$ 8.93	\$ 773.34	
2	Paving block work 20 x 10 x 6 cm	m2	866.00	\$ 33.84	\$ 29,305.44	m2	866.00	\$ 28.68	\$ 24,836.88	
3	Kansteen concrete work - K125 painting for kansteen	m1	204.02	\$ 15.43	\$ 3,147.07	m1	204.02	\$ 13.75	\$ 2,805.47	
4	Concrete floor, t= 10 cm - K125	m2	40.80	\$ 1.61	\$ 65.69	m2	40.80	\$ 3.60	\$ 146.89	
5	Hunus soil	m3	4.11	\$ 100.14	\$ 411.98	m3	4.11	\$ 166.31	\$ 684.20	
6	Grass planting (<i>Zoysia japonica</i> (Japanese lawnglass))	m3	87.65	\$ 35.00	\$ 3,067.58	m3	87.65	\$ 35.00	\$ 3,067.58	
7	Red Shoot Tree h= 2 m	m2	292.15	\$ 5.00	\$ 1,460.75	m2	292.15	\$ 10.38	\$ 3,031.35	
8	Supply and installation flagpole such as drawing complete with all accessories	unit	30.00	\$ 150.00	\$ 4,500.00	unit	30.00	\$ 100.00	\$ 3,000.00	
II	ELECTRICAL FOR LANDSCAPE	unit	1.00	\$ 350.00	\$ 350.00	unit	1.00	\$ 350.00	\$ 350.00	
1	MCB Box 6-Ways	unit	1.00	\$ 6.00	\$ 6.00	unit	1.00	\$ 6.00	\$ 6.00	
2	LED LIGHT 15 W + CAP	unit	1.00	\$ 35.00	\$ 35.00	unit	1.00	\$ 35.00	\$ 35.00	
3	MCB 20A 1P	unit	1.00	\$ 18.03	\$ 18.03	unit	1.00	\$ 9.11	\$ 9.11	
4	MCB 10A 1P	unit	1.00	\$ 12.78	\$ 12.78	unit	1.00	\$ 9.11	\$ 9.11	
5	Theben Timer (Automatic Timer)	unit	1.00	\$ 32.50	\$ 32.50	unit	1.00	\$ 32.50	\$ 32.50	
6	RCCB/RCD 30mA 16A	unit	1.00	\$ 45.00	\$ 45.00	unit	1.00	\$ 45.00	\$ 45.00	
7	Cable NYGFBY 3x2.5 mm + PVC	m1	300.00	\$ 6.50	\$ 1,950.00	m1	300.00	\$ 6.33	\$ 1,897.50	
	Sub Total				\$ 45,181.15				\$ 40,729.93	
III	FENCE WORK									
A	EARTH AND SAND WORK									
1	Bowplank	ls	1.00	\$ 750.00	\$ 750.00	ls	1.00	\$ 750.00	\$ 750.00	
2	Excavation for ordinary foundation	m3	1802.00	\$ 5.14	\$ 9,262.28	m3	1,802.00	\$ 5.14	\$ 9,262.28	
3	Stone masonry work (1 cement : 4 sand)	m3	1043.04	\$ 67.15	\$ 70,040.14	m3	1,043.04	\$ 135.51	\$ 141,342.35	
4	Foundation excavation backfilling	m3	1802.00	\$ 1.70	\$ 3,063.40	m3	1,802.00	\$ 1.70	\$ 3,063.40	
5	Sand filling under foundation	m3	72.08	\$ 8.93	\$ 643.67	m3	72.08	\$ 8.93	\$ 643.67	
	Sub Total				\$ 83,759.49				\$ 155,061.70	
B	EARTH AND SAND WORK									
1	Bowplank	ls	1.00	\$ 500.00	\$ 500.00	ls	1.00	\$ 500.00	\$ 500.00	
2	Excavation for ordinary foundation	m3	108.00	\$ 5.14	\$ 555.12	m3	108.00	\$ 5.14	\$ 555.12	
3	Stone masonry work (1 cement : 4 sand)	m3	59.40	\$ 67.15	\$ 3,988.71	m3	59.40	\$ 135.51	\$ 8,049.29	
4	Foundation excavation backfilling	m3	27.00	\$ 1.70	\$ 45.90	m3	27.00	\$ 1.70	\$ 45.90	
5	Sand filling under foundation	m3	6.75	\$ 8.93	\$ 60.28	m3	6.75	\$ 8.93	\$ 60.28	
	Sub Total				\$ 5,150.01				\$ 9,210.59	
B	WALL WORKS AND PLASTER WORK									
1	Ordinary block wall 40x20x10 cm masonry (1 sand : 4 sand)	m2	367.50	\$ 13.54	\$ 4,975.95	m2	367.50	\$ 15.96	\$ 5,865.30	
2	Ordinary wall plaster (1 cement : 4 sand) 15 mm thickness	m2	735.00	\$ 4.99	\$ 3,667.65	m2	735.00	\$ 6.04	\$ 4,439.40	
3	Wall cement render	m2	735.00	\$ 3.27	\$ 2,403.45	m2	735.00	\$ 3.82	\$ 2,440.20	
	Sub Total				\$ 11,047.05				\$ 12,744.90	
C	CONCRETE WORKS									
1	Concrete sloof 200x300 mm - K175	Concrete K175	10.08	\$ 104.27	\$ 1,051.04	m3	10.08	\$ 167.28	\$ 1,686.16	
		Reinforced	kg	1,791.66	\$ 1.59	kg	1,791.66	\$ 1.87	\$ 3,350.41	
		Formwork	m2	100.80	\$ 29.56	m2	100.80	\$ 32.69	\$ 3,295.15	
2	Concrete beam 150x200 mm - K175	Concrete K175	4.44	\$ 104.27	\$ 462.96	m3	4.44	\$ 167.28	\$ 742.72	
		Reinforced	kg	833.93	\$ 1.59	kg	833.93	\$ 1.87	\$ 1,559.45	
		Formwork	m2	59.20	\$ 50.07	m2	59.20	\$ 53.20	\$ 3,149.44	
3	Concrete column 150x150 mm - K175 for fence type 2 & 3	Concrete K175	7.20	\$ 104.27	\$ 750.74	m3	7.20	\$ 167.28	\$ 1,204.42	
		Reinforced	kg	1,061.64	\$ 1.59	kg	1,061.64	\$ 1.87	\$ 1,985.27	
		Formwork	m2	144.00	\$ 40.50	m2	144.00	\$ 43.63	\$ 6,282.72	
	Sub Total				\$ 19,917.99				\$ 23,255.76	
D	PAINTING WORK									
1	Wall and column painting	Sub Total	m2	1,032.00	\$ 3.46	\$ 3,570.72	m2	1,032.00	\$ 3.60	\$ 3,715.20
E	SUPPLY AND INSTALLATION WORK									
1	Supply and installation main gate	Unit	2.00	\$ 750.00	\$ 1,500.00	Unit	2.00	\$ 750.00	\$ 1,500.00	
2	Supply and installation marble nameboard include stainless steel letter	Ls	1.00	\$ 1,250.00	\$ 1,250.00	Ls	1.00	\$ 1,250.00	\$ 1,250.00	
	Sub Total				\$ 2,750.00				\$ 2,750.00	
	Total for fence work				\$ 126,195.26				\$ 206,738.16	

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, IP			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
IV	DRAINAGEN WORK								
A	EARTH WORK								
	Setting out bowplank	Ls	1.00	\$ 500.00	\$ 500.00	Ls	1.00	\$ 500.00	\$ 500.00
	Excavation for ordinary foundation	m3	71.83	\$ 5.14	\$ 369.23	m3	71.83	\$ 5.14	\$ 369.23
	Foundation excavation backfilling	m3	10.26	\$ 1.70	\$ 17.45	m3	10.26	\$ 1.70	\$ 17.45
	Sand filling under foundation	m3	10.26	\$ 8.93	\$ 91.64	m3	10.26	\$ 8.93	\$ 91.64
	Stone masonry	m3	28.59	\$ 67.15	\$ 1,919.62	m3	28.59	\$ 135.51	\$ 3,873.82
	Plaster 1PC : 4PS thickness 20mm	m2	190.58	\$ 6.04	\$ 1,164.44	m2	190.58	\$ 6.04	\$ 1,151.10
	Cover Steel type L30X30X3mm-50mm	m1	146.60	\$ 23.51	\$ 3,446.91	m1	146.60	\$ 2.44	\$ 357.70
	Total for Drainagen work				\$ 7,509.28				\$ 6,360.94
V	SECURITY POST								
A	EARTH AND SAND WORK								
1	Bowplank	m1	10.20	\$ 11.03	\$ 112.51	m1	10.20	\$ 11.04	\$ 112.61
2	Excavation for ordinary foundation	m3	10.56	\$ 5.14	\$ 54.28	m3	10.56	\$ 5.14	\$ 54.28
3	Foundation excavation backfilling	m3	2.64	\$ 1.70	\$ 4.49	m3	2.64	\$ 1.70	\$ 4.49
4	Sand filling under foundation	m3	0.66	\$ 8.93	\$ 5.89	m3	0.66	\$ 8.93	\$ 5.89
5	Sand filling under floor	m3	0.48	\$ 8.93	\$ 4.29	m3	0.48	\$ 8.93	\$ 4.29
6	Stone masonry	m3	5.81	\$ 67.15	\$ 390.01	m3	5.81	\$ 135.51	\$ 787.04
	Sub Total				\$ 571.46				\$ 968.60
B	WALL MASONRY WORKS AND PLASTER WORK								
1	Ordinary block wall 40x20x10 cm masonry (1 sand : 4 sand)	m2	36.60	\$ 13.54	\$ 495.56	m2	36.60	\$ 15.96	\$ 584.14
2	Ordinary wall plaster (1 cement : 4 sand) 15 mm thickness	m2	73.20	\$ 4.99	\$ 365.27	m2	73.20	\$ 6.04	\$ 442.13
3	Wall cement render	m2	73.20	\$ 3.27	\$ 239.36	m2	73.20	\$ 3.32	\$ 243.02
4	Bathroom ceramic wall : 20x25 cm for 1st floor	m2	6.60	\$ 21.18	\$ 139.79	m2	6.60	\$ 23.91	\$ 157.81
	Sub Total				\$ 1,239.98				\$ 1,427.09
C	CONCRETE WORKS								
1	Concrete sloof 150x200 mm - K275	Concrete K275	0.46	\$ 115.08	\$ 52.48	m3	0.46	\$ 178.27	\$ 81.29
		Reinforced	kg	113.25	\$ 1.59	kg	113.25	\$ 1.87	\$ 211.78
		Formwork	m2	6.08	\$ 29.56	m2	6.08	\$ 32.69	\$ 198.76
2	Concrete beam ring 150x200 mm - K275	Concrete K275	0.46	\$ 115.08	\$ 52.48	m3	0.46	\$ 178.27	\$ 81.29
		Reinforced	kg	113.25	\$ 1.59	kg	113.25	\$ 1.87	\$ 211.78
		Formwork	m2	8.36	\$ 50.07	m2	8.36	\$ 53.20	\$ 444.75
3	Concrete column 150x200 mm - K275	Concrete K275	0.72	\$ 115.08	\$ 82.86	m3	0.72	\$ 178.27	\$ 128.35
		Reinforced	kg	149.20	\$ 1.59	kg	149.20	\$ 1.87	\$ 279.00
		Formwork	m2	14.40	\$ 40.50	m2	14.40	\$ 43.63	\$ 626.27
4	Concrete column 150x400mm - K275	Concrete K275	0.18	\$ 115.08	\$ 20.71	m3	0.18	\$ 178.27	\$ 32.09
		Reinforced	kg	39.77	\$ 1.59	kg	39.77	\$ 1.87	\$ 74.37
		Formwork	m2	3.30	\$ 40.50	m2	3.30	\$ 43.63	\$ 143.98
5	Concrete slab, t = 120 mm - K275	Concrete K275	0.96	\$ 115.08	\$ 110.48	m3	0.96	\$ 178.27	\$ 171.14
6	Concrete roof	Concrete K275	0.65	\$ 115.08	\$ 98.19	m3	0.85	\$ 178.27	\$ 152.10
		Reinforced	kg	58.49	\$ 1.59	kg	58.49	\$ 1.87	\$ 109.38
		Formwork	m2	7.11	\$ 50.07	m2	7.11	\$ 53.20	\$ 378.25
	Sub Total				\$ 2,843.84				\$ 3,326.58

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
D	FLOOR WORK								
2	Ceramic Tile 40x40 cm	m ²	8.39	\$ 19.98	\$ 167.63	m ²	8.39	\$ 25.74	\$ 215.96
3	Ceramic Tile 20x20 cm for toilet	m ²	1.21	\$ 21.18	\$ 25.63	m ²	1.21	\$ 24.61	\$ 29.78
	Sub Total				\$ 193.26				\$ 245.74
E	DOORS, WINDOWS AND VENTILATIONS WORKS								
1	Door type D-1, including all accessories	Unit	1.00	\$ 300.00	\$ 300.00	Unit	1.00	\$ 230.00	\$ 230.00
2	Door type D-2, including all accessories	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 170.00	\$ 170.00
3	Window type W-1, including all accessories	Unit	1.00	\$ 200.00	\$ 200.00	Unit	1.00	\$ 140.00	\$ 140.00
4	Window type W-2, including all accessories	Unit	1.00	\$ 100.00	\$ 100.00	Unit	1.00	\$ 75.00	\$ 75.00
5	Ventilation type BV-1, including all accessories	Unit	2.00	\$ 80.00	\$ 160.00	Unit	2.00	\$ 65.00	\$ 130.00
	Sub Total				\$ 910.00				\$ 745.00
F	CEILING WORK								
1	Supply and install gypsumboard 9 mm thick,	m ²	14.57	\$ 12.38	\$ 180.41	m ²	14.57	\$ 12.69	\$ 184.93
2	Supply and install hollow frame 40x40 mm	m ²	14.57	\$ 14.31	\$ 208.53	m ²	14.57	\$ 14.16	\$ 206.35
3	Supply and install ceiling cornice profile gypsum	m'	14.00	\$ 3.92	\$ 54.88	m'	14.00	\$ 3.94	\$ 55.16
	Sub Total				\$ 443.82				\$ 446.43
G	ROOFING WORKS								
1	RHS 100X50X1.5mm for trusses	kg	462.52	\$ 3.08	\$ 1,424.57	kg	462.52	\$ 2.44	\$ 1,128.55
2	Purlin Channel 100x50x1.5mm	kg	50.46	\$ 1.81	\$ 91.34	kg	50.46	\$ 4.21	\$ 212.45
3	Metal Roofing 0.42	m ²	21.36	\$ 28.00	\$ 598.08	m ²	21.36	\$ 20.26	\$ 432.75
4	Ridge capping 0.42 mm	m ¹	10.60	\$ 15.00	\$ 159.00	m ¹	10.60	\$ 15.47	\$ 163.98
	Sub Total				\$ 2,272.99				\$ 1,937.74
G	ELECTRICAL WORKS								
1	MCB Box 1-Way	Unit	1.00	\$ 3.50	\$ 3.50	Unit	1.00	\$ 3.50	\$ 3.50
2	MCB 6 A 1P	Unit	1.00	\$ 9.63	\$ 9.63	Unit	1.00	\$ 8.58	\$ 8.58
3	Supply and install Dowlight philips lamp 15 watt	Unit	1.00	\$ 10.00	\$ 10.00	Unit	1.00	\$ 14.61	\$ 14.61
4	Supply and install Dowlight philips lamp 7 watt	Unit	1.00	\$ 7.00	\$ 7.00	Unit	1.00	\$ 10.41	\$ 10.41
5	Supply and install single switch lamp good quality	Unit	2.00	\$ 6.00	\$ 12.00	Unit	2.00	\$ 5.15	\$ 10.30
6	Supply and install single Power outlet good quality	Unit	1.00	\$ 8.00	\$ 8.00	Unit	1.00	\$ 5.67	\$ 5.67
7	Cable NYM 3x1.5 mm + PVC	m ¹	15.00	\$ 4.50	\$ 67.50	m ¹	15.00	\$ 3.49	\$ 52.30
8	Cable NYFGBY 3x2.5 mm + PVC	m ¹	50.00	\$ 6.50	\$ 325.00	m ¹	50.00	\$ 6.33	\$ 316.25
	Sub Total				\$ 442.63				\$ 421.62
H	SANITATION WORK								
1	Squat closet colour white + accessories	Unit	1.00	\$ 273.46	\$ 273.46	Unit	1.00	\$ 364.31	\$ 364.31
2	Supply and install floor drain	Unit	1.00	\$ 5.97	\$ 5.97	Unit	1.00	\$ 5.97	\$ 5.97
3	Pipe PVC AW dia 0.5" for cold water pipe installation	m'	20.00	\$ 2.71	\$ 54.20	m'	20.00	\$ 2.23	\$ 44.60
4	Pipe PVC dia. 3" for waste water pipe installation	m'	20.00	\$ 10.30	\$ 206.00	m'	20.00	\$ 11.31	\$ 226.20
5	Pipe PVC dia 4" for water closed pipe installation	m'	10.00	\$ 13.70	\$ 137.00	m'	10.00	\$ 19.69	\$ 196.90
6	Septictank 1500x1000 mm	Unit	1.00	\$ 1,200.00	\$ 1,200.00	Unit	1.00	\$ 1,200.00	\$ 1,200.00
7	Absorption	Unit	1.00	\$ 600.00	\$ 600.00	Unit	1.00	\$ 300.00	\$ 300.00
	Sub Total				\$ 2,476.63				\$ 2,337.98
I	PAINTING WORK								
1	Wall painting	m ²	73.20	\$ 3.46	\$ 253.27	m ²	73.20	\$ 3.60	\$ 263.52
2	Ceiling painting	m ²	14.57	\$ 3.36	\$ 48.96	m ²	14.57	\$ 3.50	\$ 51.00
	Sub Total				\$ 302.24				\$ 314.52
J	SEPTICTANK								
1	Excavation	m ³	4.50	\$ 5.91	\$ 26.60	m ³	4.50	\$ 5.91	\$ 26.60
2	sand bedding	m ³	0.30	\$ 14.13	\$ 4.24	m ³	0.30	\$ 8.93	\$ 2.68
3	concrete slab	m ³	0.53	\$ 104.27	\$ 55.47	m ³	0.53	\$ 167.28	\$ 83.99
4	concrete column	Concrete K 175	0.60	\$ 104.27	\$ 62.56	m ³	0.60	\$ 167.28	\$ 100.37
	Reinforced	kg	95.99	\$ 1.59	\$ 153.01	kg	95.99	\$ 1.87	\$ 179.50
	Formwork	m ²	12.00	\$ 40.50	\$ 486.00	m ²	12.00	\$ 43.63	\$ 523.56
5	Concrete for top septic tank	Concrete K 175	0.53	\$ 104.27	\$ 55.47	m ³	0.53	\$ 167.28	\$ 88.99
	Reinforced	kg	43.77	\$ 1.59	\$ 69.76	kg	43.77	\$ 1.87	\$ 81.84
	Formwork	m ²	5.32	\$ 50.07	\$ 266.37	m ²	5.32	\$ 53.20	\$ 283.02
6	Pipe PVC dia. 1"	m'	6.00	\$ 12.38	\$ 74.28	m'	6.00	\$ 19.69	\$ 118.14
7	Pipe PVC dia. 2"	m'	2.00	\$ 5.05	\$ 10.10	m'	2.00	\$ 8.66	\$ 17.32
8	Tee PVC dia. 4"	Unit	1.00	\$ 19.17	\$ 19.17	Unit	1.00	\$ 12.60	\$ 12.60
9	Tee PVC dia. 2"	Unit	1.00	\$ 5.36	\$ 5.36	Unit	1.00	\$ 3.00	\$ 3.00
10	Ordinary block wall masonry 40x20x10 cm (1 cement: 4 sand)	m ²	37.29	\$ 13.42	\$ 500.43	m ²	37.29	\$ 15.96	\$ 595.15
11	Ordinary wall plaster (1 cement: 4 sand)	m ²	37.29	\$ 4.94	\$ 184.21	m ²	37.29	\$ 6.04	\$ 225.23
12	Wall Cement render	m ²	37.29	\$ 3.21	\$ 119.70	m ²	37.29	\$ 3.32	\$ 123.80
	Sub Total				\$ 2,092.74				\$ 2,470.80
	Total for Security Post one unit				\$ 13,789.58				\$ 14,642.10
	Total for Security Post two unit				\$ 27,579.17				\$ 29,284.20
	Total for LANDSCAPE				\$ 206,464.85				\$ 283,113.23



AGENCIA DE DESENVOLVIMENTO NACIONAL, I.P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF EQUADRA COVALIMA
 PROJECT LOCATION : FATULULIK, COVALIMA, TIMOR LESTE

OVERHEAD

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (\$US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (\$US\$)	AMOUNT (\$)
1	Contractor project team	month	12.00	\$ 1,000.00	\$ 12,000.00	month	12.00	\$ 500.00	\$ 6,000.00
2	Safety equipment and first AID equipment	unit	2.00	\$ 500.00	\$ 1,000.00	unit	2.00	\$ 500.00	\$ 1,000.00
3	Material sampling and testing	sheet	5.00	\$ 1,000.00	\$ 5,000.00	sheet	5.00	\$ 1,827.00	\$ 9,135.00
4	Project report and documentation	month	12.00	\$ 50.00	\$ 600.00	month	12.00	\$ 300.00	\$ 3,600.00
5	Contractor site security 2 Person	month	12.00	\$ 300.00	\$ 3,600.00	month	12.00	\$ 300.00	\$ 3,600.00
6	As build drawing	sheet	1.00	\$ 300.00	\$ 300.00	sheet	1.00	\$ 300.00	\$ 300.00
	TOTAL				\$ 22,500.00				\$ 23,635.00



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

SUMMARY

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED	RESULT, ADN, I.P
		AMOUNT (\$)	AMOUNT (\$)
I	PREPARATION WORKS	\$ 41,384.25	\$ 35,854.34
II	MAIN BUILDING		
	- ARCHITECTURAL WORK	\$ 105,597.18	\$ 104,503.33
	- STRUCTURAL WORK	\$ 145,084.87	\$ 175,398.38
	- PLUMBING WORK	\$ 21,999.65	\$ 19,484.58
	- ELECTRICAL WORK	\$ 55,268.67	\$ 52,075.07
	- AIR CONDITIONING (AC) WORK	\$ 5,938.37	\$ 6,969.88
	- CCTV WORK	\$ 4,098.04	\$ 3,802.27
	- FIRE ALARM WORK	\$ 4,197.51	\$ 3,692.61
	- FIRE PROTECTION WORK	\$ 225.00	\$ 225.00
	- SOUND SYSTEM WORK	\$ 4,504.23	\$ 4,187.99
	- LIGHTNING PROTECTION WORK	\$ 2,508.55	\$ 2,470.55
	- TELEPHONE WORK	\$ 2,821.17	\$ 2,382.89
	- LAN/DATA WORK	\$ 3,767.65	\$ 4,212.14
III	LANDSCAPE WORK	\$ 126,602.82	\$ 128,948.20
A	TOTAL CONSTRUCTION COST	\$ 523,997.97	\$ 544,207.24
B	CONTRACTOR FEE (10% x A)	\$ 52,399.80	\$ 54,420.72
C	OVERHEAD	\$ 22,700.00	\$ 23,635.00
D	TAX (2% x (A+B+C))	\$ 11,981.96	\$ 12,445.26
E	CONTINGENCY (10 % * A)	\$ 52,399.80	\$ 54,420.72
F	TOTAL (A+B+C+D+E)	\$ 663,479.51	\$ 689,128.94

Verified By :

Eng. Bebiano G. de Jesus Lopes
Civil Engineering UAP - ADN, I.P

Checked By :

Eng. Iohanes Hornay
Chefe Depart. EPMEITCM. UAP - ADN.IP

Certified By :

Arch. Jose Fernando Liu Soares
Coordenador UAP / ADN.IP

Eng. Angelica da Costa
Electrical Engineering UAP - ADN, I.P

Eng. Joaquito D. Ferreira
National Adviser UAP - ADN, I.P

Eng. Elvis Ferreira Soares
ICT Engineer UAP - ADN, I.P



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION :FATUMEA, COVALIMA, TIMOR LESTE

PREPARATION WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	GENERAL WORKS								
1	Mobilization and Demobilization	Ls	1.00	\$ 5,000.00	\$ 5,000.00	Ls	1.00	\$ 2,000.00	\$ 2,000.00
2	Site cleaning and demolishing existing building include carry out the debris out from project site	m2	2500.00	\$ 1.40	\$ 3,500.00	m2	2,500.00	\$ 1.40	\$ 3,500.00
3	Site office and storage	m2	48.00	\$ 50.00	\$ 2,400.00	m2	48.00	\$ 25.00	\$ 1,200.00
4	Mess for labour	m2	48.00	\$ 50.00	\$ 2,400.00	m2	48.00	\$ 25.00	\$ 1,200.00
5	Temporary fence	m'	200.00	\$ 13.72	\$ 2,744.00	m'	200.00	\$ 14.07	\$ 2,814.00
6	Water and electrical supply for works	Ls	1.00	\$ 2,000.00	\$ 2,000.00	Ls	1.00	\$ 1,800.00	\$ 1,800.00
7	Information Board project	unit	1.00	\$ 90.25	\$ 90.25	unit	1.00	\$ 90.34	\$ 90.34
	Sub Total				\$ 18,134.25				\$ 12,604.34
B	SOIL STABILIZATION WORK								
1	Selected material filling and compaction using mechanical equipment	m3	2500.00	\$ 9.30	\$ 23,250.00	m3	2,500.00	\$ 9.30	\$ 23,250.00
	Sub Total				\$ 23,250.00				\$ 23,250.00
	GRAND TOTAL				\$ 41,384.25				\$ 35,854.34

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

ARCHITECTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A EARTH WORK									
1	Excavation for ordinary foundation	m3	114.54	\$ 5.91	\$ 676.96	m3	114.54	\$ 5.91	\$ 676.96
2	Foundation back filling	m3	171.82	\$ 1.70	\$ 292.09	m3	171.82	\$ 1.70	\$ 292.09
3	Sand filling under foundation and tie beam 50 mm	m3	4.46	\$ 8.93	\$ 39.83	m3	4.46	\$ 8.93	\$ 39.83
4	Sand filling under floor 50mm	m3	19.20	\$ 8.93	\$ 171.46	m3	19.20	\$ 8.93	\$ 171.46
5	Soil fill for levelling floor 150mm	m3	57.60	\$ 8.29	\$ 477.50	m3	57.60	\$ 8.29	\$ 477.50
	Sub Total				\$ 1,855.97				\$ 1,657.83
B WALL MASONRY AND RENDER WORK									
1	Stone masonry work (1 cement : 4 sand)	m3	3.19	\$ 67.15	\$ 213.94	m3	3.19	\$ 99.74	\$ 317.77
3	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand) for 1st floor	m2	883.51	\$ 13.54	\$ 11,962.66	m2	883.51	\$ 15.80	\$ 13,959.38
4	Ordinary wall plaster (1 cement : 4 sand) for 1st floor	m2	1,767.01	\$ 4.99	\$ 8,817.38	m2	1,767.01	\$ 5.94	\$ 10,496.04
5	Cement render for /Acian	m2	1,767.01	\$ 3.27	\$ 5,778.12	m2	1,767.01	\$ 3.32	\$ 5,866.47
6	Interior wall furniture for sala respsaun and sala encontro, Inklui (Meza 2.5x1.1x1.5, meza 2.5x1.5, kadeira roda/metan 12 unit,kadeira besi/azul 100 unit) meza 2.5 x 1.1 x 1.5	ls	1.00	\$ 7,000.00	\$ 7,000.00	ls	1.00	-	-
	MZFA 2.5X1.5 kadeira roda/metan kadeira besi/azul transportation for furniture					unit	1.00	\$ 1,511.45	\$ 1,511.45
						unit	1.00	\$ 1,187.18	\$ 1,187.18
						unit	32.00	\$ 39.00	\$ 1,068.00
						unit	100.00	\$ 28.00	\$ 2,800.00
						ls	1.00	\$ 313.21	\$ 313.21
7	Ceramic wall : 40x40 cm for Toilet, Asia tile	m2	94.40	\$ 21.79	\$ 2,056.98	m2	94.40	\$ 27.64	\$ 2,609.22
8	Pantry Ceramic wall : 40x40 cm, Asia tile	m2	2.40	\$ 21.79	\$ 52.30	m2	2.40	\$ 27.64	\$ 66.34
9	Ceramic wall extetnal : 40x40 cm, Asia tile	m2	63.75	\$ 21.79	\$ 1,389.11	m2	63.75	\$ 27.64	\$ 1,762.05
10	Natural stone wall (30x15 cm)	m2	24.00	\$ 64.39	\$ 1,545.36	m2	24.00	\$ 71.93	\$ 1,726.32
11	Stair hand railing	kg	179.11	\$ 2.15	\$ 385.08	kg	179.11	\$ 2.44	\$ 437.02
12	Department logo with copper text and accessories (Plate Stainlesssteel)	unit	3.00	\$ 500.00	\$ 1,500.00	unit	3.00	\$ 180.00	\$ 540.00
13	Concrete ornament for listplank	m1	94.00	\$ 57.74	\$ 5,427.56	m1	94.00	\$ 57.74	\$ 5,427.56
	Sub Total				\$ 46,128.48				\$ 50,089.00
C FLOOR WORK									
1	Granite Tile : 60x60 cm G1.G2.G3	m2	342.61	\$ 32.36	\$ 11,086.86	m2	342.61	\$ 31.41	\$ 10,761.38
2	Bathroom floor ceramic : 40x40 cm G4	m2	37.75	\$ 19.98	\$ 754.25	m2	37.75	\$ 25.54	\$ 964.14
4	Pantry ceramic table : 30x30 cm	m2	2.40	\$ 18.80	\$ 45.12	m2	2.40	\$ 24.62	\$ 59.09
5	Ceramic plint : 10x30 cm	m1	312.25	\$ 11.33	\$ 3,537.79	m1	312.25	\$ 3.78	\$ 1,180.31
6	Water prooving for floor plate	m2	328.00	\$ 8.77	\$ 2,876.56	m2	328.00	\$ 8.77	\$ 2,875.58
	Sub Total				\$ 18,300.53				\$ 15,840.43
D CEILING WORK									
1	Ceiling frame hollow 40/40mm	m2	366.00	\$ 14.31	\$ 5,237.46	m2	366.00	\$ 14.16	\$ 5,182.56
2	Ceiling gypsum 9mm	m2	328.25	\$ 12.38	\$ 4,063.74	m2	328.25	\$ 12.69	\$ 4,165.49
3	Ceiling PVC 9 mm	m2	37.75	\$ 14.03	\$ 529.63	m2	37.75	\$ 14.03	\$ 529.63
4	Supply and install ceiling cornice profile ceiling gypsum	m1	337.05	\$ 3.92	\$ 1,321.24	m1	337.05	\$ 3.94	\$ 1,327.98
	Sub Total				\$ 11,152.06				\$ 11,205.66
E DOOR, WINDOW AND VENTILATION WORK (Material Brown Aluminiun, confirmation with the Owner)									
1	Door type D-1, including all accessories	unit	1.00	\$ 800.00	\$ 800.00	unit	1.00	\$ 525.00	\$ 525.00
2	Door type D-2, including all accessories	unit	2.00	\$ 500.00	\$ 1,000.00	unit	2.00	\$ 485.00	\$ 970.00
3	Door type D-3, including all accessories	unit	1.00	\$ 300.00	\$ 300.00	unit	1.00	\$ 250.00	\$ 250.00
4	Door type D-4, including all accessories	unit	2.00	\$ 300.00	\$ 600.00	unit	2.00	\$ 250.00	\$ 500.00
5	Door type D-5, including all accessories	unit	3.00	\$ 225.00	\$ 675.00	unit	3.00	\$ 250.00	\$ 750.00
6	Door type D-6, including all accessories	unit	1.00	\$ 225.00	\$ 225.00	unit	1.00	\$ 250.00	\$ 250.00
7	Door type D-7, including all accessories	unit	5.00	\$ 275.00	\$ 1,375.00	unit	5.00	\$ 250.00	\$ 1,250.00
8	Door type D-8, including all accessories	unit	4.00	\$ 275.00	\$ 1,100.00	unit	4.00	\$ 250.00	\$ 1,000.00
9	Door type D-9, including all accessories	unit	1.00	\$ 250.00	\$ 250.00	unit	1.00	\$ 230.00	\$ 230.00
10	Door type D-10, including all accessories	unit	6.00	\$ 200.00	\$ 1,200.00	unit	6.00	\$ 230.00	\$ 1,380.00
12	Door type D-11, including all accessories	unit	8.00	\$ 200.00	\$ 1,600.00	unit	8.00	\$ 200.00	\$ 1,600.00
13	Door type DW-1, including all accessories	unit	1.00	\$ 1,500.00	\$ 1,500.00	unit	1.00	\$ 678.00	\$ 678.00
14	Door type DW-2, including all accessories (Material Square Hollow Steel)	unit	1.00	\$ 800.00	\$ 800.00	unit	1.00	\$ 800.00	\$ 800.00
15	Door type DW-3, including all accessories (Material Square Hollow Steel)	unit	1.00	\$ 800.00	\$ 800.00	unit	1.00	\$ 800.00	\$ 800.00
16	Window type W-1, including all accessories	unit	4.00	\$ 175.00	\$ 700.00	unit	4.00	\$ 117.50	\$ 470.00
17	Window type W-2, including all accessories	unit	2.00	\$ 250.00	\$ 500.00	unit	2.00	\$ 145.00	\$ 290.00
18	Window type W-3, including all accessories	unit	4.00	\$ 250.00	\$ 1,000.00	unit	4.00	\$ 154.00	\$ 616.00
19	Window type W-4, including all accessories	unit	2.00	\$ 275.00	\$ 550.00	unit	2.00	\$ 138.85	\$ 277.70
20	Window type W-5, including all accessories	unit	2.00	\$ 450.00	\$ 900.00	unit	2.00	\$ 295.00	\$ 590.00
21	Ventilation type BV-1, including all accessories	unit	3.00	\$ 125.00	\$ 375.00	unit	3.00	\$ 75.00	\$ 225.00
22	Ventilation type BV-2, including all accessories	unit	4.00	\$ 50.00	\$ 200.00	unit	4.00	\$ 50.00	\$ 200.00
23	Ventilation type BV-3, including all accessories	unit	4.00	\$ 75.00	\$ 300.00	unit	4.00	\$ 75.00	\$ 300.00
	Sub Total				\$ 16,750.00				\$ 13,951.70

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

ARCHITECTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
F	ROOF AND CEILING WORK								
1	Metal Roofing, 0.42 mm (Australian standard)	m2	132.62	\$ 20.02	\$ 2,655.01	m2	132.62	\$ 20.26	\$ 2,686.84
2	Colourbond custom orb" 0.42 mm rooftop capping standard	m1	24.00	\$ 11.89	\$ 285.36	m1	24.00	\$ 15.47	\$ 371.28
3	Gutter roof Colourbond 0.42 mm include frame standard	m1	38.00	\$ 17.98	\$ 603.24	m1	38.00	\$ 14.62	\$ 555.56
4	Supply and install Lisplank GRC Board 200(x2)x10mm	m1	38.00	\$ 12.55	\$ 476.90	m1	38.00	\$ 15.47	\$ 597.86
	Sub Total				\$ 4,100.51				\$ 4,201.54
G	PAINT WORK								
1	Interior wall painting	m2	1447.01	\$ 3.46	\$ 5,006.65	m2	1,447.01	\$ 3.60	\$ 5,209.24
2	Exterior wall painting with weather bond type painting	m2	320.00	\$ 3.75	\$ 1,200.00	m2	320.00	\$ 3.75	\$ 1,200.00
3	Ceiling painting	m2	328.25	\$ 3.36	\$ 1,102.92	m2	328.25	\$ 3.50	\$ 1,148.88
	Sub Total				\$ 7,309.57				\$ 7,558.11
	TOTAL ARCHITECTURAL WORK				\$ 105,597.18				\$ 104,503.33



PROJECT OWNER : MINISTERIO DO INTERIOR
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 PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

STRUCTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	CONCRETE WORKS								
1	Foundation Sub Structure								
2	Lean Concrete, t = 10 cm - K125	m3	4.05	\$ 100.14	\$ 405.98	m3	4.05	\$ 174.13	\$ 705.77
3	Concrete foot plate 01, (890x890x250mm)	Concrete K 275	6.56	\$ 115.08	\$ 754.92	m3	6.56	\$ 185.76	\$ 1,218.59
		Reinforced	972.19	\$ 1.59	\$ 1,549.67	kg	972.19	\$ 1.87	\$ 1,818.00
		Formwork	32.80	\$ 19.57	\$ 641.90	m2	32.80	\$ 19.57	\$ 641.90
4	Concrete foot plate 02, (600x600x250mm)	Concrete K 275	0.54	\$ 115.08	\$ 62.14	m3	0.54	\$ 185.76	\$ 100.31
		Reinforced	116.69	\$ 1.59	\$ 186.00	kg	116.69	\$ 1.87	\$ 218.21
		Formwork	3.60	\$ 19.57	\$ 70.45	m2	3.60	\$ 19.57	\$ 70.45
5	Concrete Padestal - K275	Concrete K 275	3.54	\$ 115.08	\$ 407.04	m3	3.54	\$ 185.76	\$ 657.03
		Reinforced	848.75	\$ 1.59	\$ 1,352.91	kg	848.75	\$ 1.87	\$ 1,587.17
		Formwork	48.60	\$ 40.50	\$ 1,968.30	m2	48.60	\$ 43.63	\$ 2,120.42
6	Concrete tie beam, 200x300mm	Concrete K 275	12.64	\$ 115.08	\$ 1,454.50	m3	12.64	\$ 185.76	\$ 2,347.82
		Reinforced	2,693.40	\$ 1.59	\$ 4,285.31	kg	2,693.40	\$ 1.87	\$ 5,027.31
		Formwork	126.39	\$ 29.56	\$ 3,736.09	m2	126.39	\$ 53.20	\$ 6,723.95
7	Concrete ground beam - K275	Concrete K 275	22.07	\$ 115.08	\$ 2,540.28	m3	22.07	\$ 185.76	\$ 4,100.47
		Reinforced	4,695.29	\$ 1.59	\$ 7,484.29	kg	4,695.29	\$ 1.87	\$ 8,780.19
		Formwork	220.74	\$ 29.56	\$ 6,525.07	m2	220.74	\$ 32.69	\$ 7,215.99
8	Concrete ground floor, t = 10 cm - K175 elev ±0.00	Concrete K 175	38.40	\$ 104.27	\$ 4,003.97	m3	38.40	\$ 175.13	\$ 6,724.99
		Reinforced	3,033.60	\$ 1.59	\$ 4,835.56	kg	3,033.60	\$ 1.87	\$ 5,672.83
9	Concrete Column C1, (300x300mm)	Concrete K 275	15.87	\$ 115.08	\$ 1,825.97	m3	15.87	\$ 185.76	\$ 2,947.45
		Reinforced	2,424.05	\$ 1.59	\$ 3,863.94	kg	2,424.05	\$ 1.87	\$ 4,532.98
		Formwork	211.56	\$ 40.50	\$ 8,568.18	m2	211.56	\$ 43.63	\$ 9,230.36
10	Concrete Column C2, (200x200mm)	Concrete K 275	2.43	\$ 115.08	\$ 279.87	m3	2.43	\$ 185.76	\$ 451.77
		Reinforced	326.09	\$ 1.59	\$ 519.79	kg	326.09	\$ 1.87	\$ 609.79
		Formwork	48.64	\$ 40.50	\$ 1,969.92	m2	48.64	\$ 43.63	\$ 2,122.16
11	Concrete Column C3, (150x150mm)	Concrete K 275	7.58	\$ 115.08	\$ 872.77	m3	7.58	\$ 185.76	\$ 1,409.80
		Reinforced	1,023.33	\$ 1.59	\$ 1,691.20	kg	1,023.33	\$ 1.87	\$ 1,913.64
		Formwork	101.12	\$ 40.50	\$ 4,095.36	m2	101.12	\$ 43.63	\$ 4,411.87
12	Ring Balok, 200x100mm	Concrete K 275	5.84	\$ 115.08	\$ 671.84	m3	5.84	\$ 185.76	\$ 1,084.47
		Reinforced	1,104.74	\$ 1.59	\$ 1,760.96	kg	1,104.74	\$ 1.87	\$ 2,065.87
		Formwork	116.76	\$ 50.07	\$ 5,846.17	m2	116.76	\$ 53.20	\$ 6,211.63
13	Concrete Consol - K275	Concrete K 275	1.82	\$ 115.08	\$ 208.87	m3	1.82	\$ 185.76	\$ 337.15
		Reinforced	173.17	\$ 1.59	\$ 276.04	kg	173.17	\$ 1.87	\$ 323.83
		Formwork	14.00	\$ 50.07	\$ 700.98	m2	14.00	\$ 53.20	\$ 744.80
14	Concrete Beam B2 - K275	Concrete K 275	19.85	\$ 115.08	\$ 2,283.76	m3	19.85	\$ 185.76	\$ 3,686.41
		Reinforced	4,114.53	\$ 1.59	\$ 6,558.56	kg	4,114.53	\$ 1.87	\$ 7,694.17
		Formwork	255.15	\$ 50.07	\$ 12,775.36	m2	255.15	\$ 53.20	\$ 13,573.98
15	Concrete Beam B3 - K275	Concrete K 275	2.85	\$ 115.08	\$ 327.98	m3	2.85	\$ 185.76	\$ 529.42
		Reinforced	541.37	\$ 1.59	\$ 862.95	kg	541.37	\$ 1.87	\$ 1,012.37
		Formwork	45.60	\$ 50.07	\$ 2,383.19	m2	45.60	\$ 53.20	\$ 2,425.92
16	Concrete plate and roof, t = 120 mm - K175 for elev ±4.00	Concrete K 175	26.42	\$ 104.27	\$ 2,755.23	m3	26.42	\$ 175.13	\$ 4,627.64
		Reinforced	2,173.81	\$ 1.59	\$ 3,465.06	kg	2,173.81	\$ 1.87	\$ 4,065.03
		Formwork	220.20	\$ 50.07	\$ 11,023.41	m2	220.20	\$ 53.20	\$ 11,714.64
17	Concrete plate and roof, t = 120 mm - K175 for elev ±4.500 ± 5.00	Concrete K 175	8.40	\$ 104.27	\$ 875.87	m3	8.40	\$ 175.13	\$ 1,471.09
		Reinforced	1,036.56	\$ 1.59	\$ 1,652.28	kg	1,036.56	\$ 1.87	\$ 1,938.37
		Formwork	70.00	\$ 50.07	\$ 3,504.90	m2	70.00	\$ 53.20	\$ 3,724.00



PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

STRUCTURAL WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
18	Concrete table, t = 100 mm - K175	Concrete K 175	m3	0.24	\$ 104.27	\$ 25.02	m3	0.24	\$ 175.13	\$ 42.03
		Reinforced	kg	23.69	\$ 1.59	\$ 37.77	kg	23.69	\$ 1.87	\$ 44.31
		Formwork	m2	2.40	\$ 50.07	\$ 120.17	m2	2.40	\$ 53.20	\$ 127.68
19	Concrete For Armory Room	Concrete K 275	m3	16.06	\$ 115.08	\$ 1,848.18	m3	16.06	\$ 175.13	\$ 2,812.59
		Reinforced	kg	835.12	\$ 1.59	\$ 1,331.18	kg	835.12	\$ 1.87	\$ 1,561.67
		Formwork	m2	80.30	\$ 50.07	\$ 4,020.62	m2	80.30	\$ 53.20	\$ 4,271.96
		Sub Total				\$ 134,887.68				\$ 163,729.65
B ROOFING WORK										
1	Steel plate 300x300x12 mm		kg	33.23	\$ 3.64	\$ 120.97	kg	33.23	\$ 2.44	\$ 81.09
2	Anchor bolt d16mm		kg	30.34	\$ 1.59	\$ 48.36	kg	30.34	\$ 1.87	\$ 56.73
3	Steel frame, type WF 200x100x5.5x8 mm for trusses		kg	777.02	\$ 3.64	\$ 2,828.37	kg	777.02	\$ 4.12	\$ 3,201.34
4	Steel frame, type WF 150x75x5x7 mm for trusses		kg	1282.40	\$ 3.64	\$ 4,667.94	kg	1,282.40	\$ 4.12	\$ 5,283.49
5	Steel frame, type WF 300x270x8 mm for trusses		kg	119.38	\$ 3.64	\$ 434.54	kg	119.38	\$ 4.12	\$ 491.85
6	Steel profile type C 150x50x3.2 mm for purlin		kg	816.10	\$ 1.81	\$ 1,477.14	kg	816.10	\$ 2.53	\$ 2,064.73
7	Steel bar d10mm for bracing purlin		kg	17.28	\$ 1.59	\$ 27.54	kg	17.28	\$ 1.87	\$ 32.31
8	Steel plate 150x150x10 mm		kg	127.17	\$ 3.64	\$ 462.90	kg	127.17	\$ 2.44	\$ 310.29
9	Steel L 30X30X3 mm		kg	60.21	\$ 2.15	\$ 129.45	kg	60.21	\$ 2.44	\$ 146.91
		Sub Total				\$ 10,197.20				\$ 11,668.73
		TOTAL STRUCTURAL WORK				\$ 145,084.87				\$ 175,398.38

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
A	PLUMBING WORK								
1	1st WASTE WATER PIPE installation								
1	Pipe PVC Ø 4 inch	M1	60.00	\$ 13.70	\$ 822.00	M1	60.00	\$ 19.69	\$ 1,181.40
2	Pipe PVC Ø 2 inch	M1	30.00	\$ 10.30	\$ 309.00	M1	30.00	\$ 8.66	\$ 259.80
3	pipe pvc elbow 4 inch	pcs	8.00	\$ 21.70	\$ 173.60	pcs	8.00	\$ 25.90	\$ 207.20
4	pipe pvc elbow 2 inch	pcs	4.00	\$ 8.00	\$ 32.00	pcs	4.00	\$ 6.81	\$ 27.24
5	pipe pvc TEE 4 inch	pcs	5.00	\$ 21.70	\$ 108.50	pcs	5.00	\$ 12.60	\$ 63.00
6	pipe pvc TEE 2 inch	pcs	3.00	\$ 8.00	\$ 24.00	pcs	3.00	\$ 3.00	\$ 9.00
7	pipe Reduzer 4-2 inch	pcs	11.00	\$ 10.00	\$ 110.00				
8	Floor drain stainless	pcs	16.00	\$ 5.97	\$ 95.52	pcs	16.00	\$ 5.97	\$ 95.52
9	Supply and install seat closet complete with accessories	unit	8.00	\$ 273.46	\$ 2,187.68	unit	8.00	\$ 364.31	\$ 2,914.48
10	Supply and install squad closet complete with accessories	unit	2.00	\$ 75.62	\$ 151.24	unit	2.00	\$ 79.65	\$ 159.30
11	Supply and Install wastafel complete with accessories	unit	6.00	\$ 187.71	\$ 1,126.26	unit	6.00	\$ 115.71	\$ 694.26
12	Supply and install urinoir complete with accessories	unit	1.00	\$ 297.00	\$ 297.00	unit	1.00	\$ 357.08	\$ 357.08
13	Supply and install double bowl kitchen sink complete with accessories	unit	1.00	\$ 450.00	\$ 450.00	unit	1.00	\$ 176.72	\$ 176.72
	RAIN WATER installation								
14	Pipe PVC Ø 6 inch	M1	40.00	\$ 18.00	\$ 720.00	M1	40.00	\$ 23.40	\$ 936.00
15	Pipe PVC Ø 4 inch	M1	80.00	\$ 13.70	\$ 1,096.00	M1	80.00	\$ 19.69	\$ 1,575.20
	2nd COLD WATER PIPE installation								
16	pvc pipe elbow 1/2 inch	pcs	2.00	\$ 5.00	\$ 10.00	pcs	2.00	\$ 5.00	\$ 10.00
17	pvc pipe elbow 1 inch	pcs	7.00	\$ 6.00	\$ 42.00	pcs	7.00	\$ 6.00	\$ 42.00
18	pvc pipe TEE 1 inch	pcs	16.00	\$ 5.00	\$ 80.00	pcs	16.00	\$ 5.00	\$ 80.00
19	pipe Reduzer 1-1/2 inch	pcs	16.00	\$ 8.00	\$ 128.00				
20	Pipe PVC 1 inch	M1	60.00	\$ 3.23	\$ 193.80	M1	60.00	\$ 3.20	\$ 192.00
21	Pipe PVC Ø 1/2 inch	M1	20.00	\$ 2.71	\$ 54.20	M1	20.00	\$ 2.23	\$ 44.60
22	Gate valve Ø 25 mm	pcs	3.00	\$ 26.00	\$ 78.00	pcs	3.00	\$ 26.00	\$ 78.00
23	Supply and Install Water Faucet	pcs	18.00	\$ 5.98	\$ 107.64	pcs	18.00	\$ 8.08	\$ 145.44
	WLC + Installation Cable Control								
24	WLC + installation cable control	lot	1.00	\$ 20.00	\$ 20.00	lot	1.00	\$ 20.00	\$ 20.00
25	Distribution pump cold water Packaged (1 unit pump)	SET	1.00	\$ 250.00	\$ 250.00	SET	1.00	\$ 250.00	\$ 250.00
	TORRE								
27	Foot Plate, 800x800x350mm								
	Concrete 24 Mpa	m3	0.90	\$ 115.08	\$ 103.11	m3	0.90	\$ 185.76	\$ 166.44
	Reinforced D16mm	Kg	50.50	\$ 1.59	\$ 80.49	Kg	50.50	\$ 1.87	\$ 94.43
28	Tiel Beam, 200x350x250mm								
	Formwork	m2	1.60	\$ 19.57	\$ 31.31	m2	1.60	\$ 19.57	\$ 31.31
	Concrete 24 Mpa	m3	0.70	\$ 115.08	\$ 80.56	m3	0.70	\$ 185.76	\$ 130.03
	Reinforced D16mm	Kg	126.24	\$ 1.59	\$ 201.23	Kg	126.24	\$ 1.87	\$ 236.07
	Reinforced Ø8mm	Kg	21.76	\$ 1.59	\$ 34.69	Kg	21.76	\$ 1.87	\$ 40.69
29	Sloof, 200x300x250mm								
	Formwork	m2	3.50	\$ 50.07	\$ 175.25	m2	3.50	\$ 53.20	\$ 186.20
	Concrete 24 Mpa	m3	0.60	\$ 115.08	\$ 69.05	m3	0.60	\$ 185.76	\$ 111.46
	Reinforced D16mm	Kg	126.24	\$ 1.59	\$ 201.23	Kg	126.24	\$ 1.87	\$ 236.07
	Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
30	Beam 1 (250x450x250mm)								
	Formwork	m2	9.00	\$ 29.56	\$ 266.04	m2	9.00	\$ 32.69	\$ 294.21
	Concrete 24 Mpa	m3	1.13	\$ 115.08	\$ 129.47	m3	1.13	\$ 185.76	\$ 208.98
	Reinforced D16mm	Kg	157.80	\$ 1.59	\$ 251.53	Kg	157.80	\$ 1.87	\$ 295.09
	Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
31	Beam 2 (250x450x250mm)								
	Formwork	m2	12.50	\$ 50.07	\$ 625.88	m2	12.50	\$ 53.20	\$ 665.00
	Concrete 24 Mpa	m3	1.13	\$ 115.08	\$ 129.47	m3	1.13	\$ 185.76	\$ 208.98
	Reinforced D16mm	Kg	157.80	\$ 1.59	\$ 251.53	Kg	157.80	\$ 1.87	\$ 295.09
	Reinforced Ø8mm	Kg	32.00	\$ 1.59	\$ 51.01	Kg	32.00	\$ 1.87	\$ 59.84
32	Beam 3 (200x300x250mm)								
	Formwork	m2	12.50	\$ 50.07	\$ 625.88	m2	12.50	\$ 53.20	\$ 665.00
	Concrete 24 Mpa	m3	0.30	\$ 115.08	\$ 34.52	m3	0.30	\$ 185.76	\$ 55.73
	Reinforced D16mm	Kg	63.12	\$ 1.59	\$ 100.61	Kg	63.12	\$ 1.87	\$ 118.03
	Reinforced Ø8mm	Kg	16.00	\$ 1.59	\$ 23.50	Kg	16.00	\$ 1.87	\$ 29.92
33	Finish Floor Concrete								
	Formwork	m2	4.50	\$ 50.07	\$ 225.32	m2	4.50	\$ 53.20	\$ 239.40
	Concrete 24 Mpa	m3	0.31	\$ 115.08	\$ 35.96	m3	0.31	\$ 185.76	\$ 58.05
34	Railing								
	Formwork	m2	1.00	\$ 50.07	\$ 50.07	m2	1.00	\$ 53.20	\$ 53.20
	Hollow 40.40, T=2mm	m	116.50	\$ 1.45	\$ 168.93	m	116.50	\$ 1.45	\$ 168.93
	Hollow 80.80, T=2mm	m	12.00	\$ 1.45	\$ 17.40	m	12.00	\$ 1.45	\$ 17.40
	Steel Plate 80.80, T=4mm	Bh	3.00	\$ 50.00	\$ 150.00	Bh	3.00	\$ 50.00	\$ 150.00
	Dina Bolt M10	Bh	33.00	\$ 12.00	\$ 396.00	Bh	33.00	\$ 1.50	\$ 49.50



PROJECT OWNER : MINISTERIO DO INTERIOR
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 PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
35	Water tank (3200 ltr) - National product, Ex. Rotomor Polypipe (SNI/Australian), 3/4 inch Sanyo (SHIMIZU 3 HP) - provide all accessories Water pipe line and instalation	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 504.00	\$ 504.00
		Roll	5.00	\$ 500.00	\$ 2,500.00	Roll	5.00	\$ 84.00	\$ 420.00
		Unit	1.00	\$ 250.00	\$ 250.00	Unit	1.00	\$ 125.00	\$ 125.00
		Ls	1.00	\$ 2,500.00	\$ 2,500.00	Ls	1.00	\$ 500.00	\$ 500.00
	Sub Total				\$ 19,030.47				\$ 16,051.96
B	Septictank								
1	Excavation	m³	12.00	\$ 5.91	\$ 70.92	m³	12.00	\$ 5.91	\$ 70.92
2	sand bedding	m³	0.60	\$ 8.93	\$ 5.36	m³	0.60	\$ 8.93	\$ 5.36
3	concrete slab	m³	0.53	\$ 115.08	\$ 61.22	m³	0.53	\$ 174.13	\$ 92.64
4	concrete column	Concrete K 275	0.60	\$ 115.08	\$ 69.05	m³	0.60	\$ 185.76	\$ 111.46
		Reinforced kg	95.99	\$ 1.59	\$ 153.01	kg	95.99	\$ 1.87	\$ 179.50
5	concrete for top septictank	Formwork	m²	\$ 40.50	\$ 486.00	m²	12.00	\$ 43.63	\$ 523.56
		Concrete K 275	0.53	\$ 115.08	\$ 61.22	m³	0.53	\$ 185.76	\$ 98.82
		Reinforced kg	43.77	\$ 1.59	\$ 69.76	kg	43.77	\$ 1.87	\$ 81.84
		Formwork	m²	\$ 50.07	\$ 266.37	m²	5.32	\$ 53.20	\$ 283.02
6	Pipe PVC dia. 4"	m'	6.00	\$ 10.30	\$ 61.80	m'	6.00	\$ 19.69	\$ 118.14
7	Pipe PVC dia. 2"	m'	2.00	\$ 10.30	\$ 20.60	m'	2.00	\$ 9.66	\$ 17.32
8	Tee PVC dia. 4"	Unit	1.00	\$ 21.70	\$ 21.70	Unit	1.00	\$ 12.60	\$ 12.60
9	Tee PVC dia. 2"	Unit	1.00	\$ 8.00	\$ 8.00	Unit	1.00	\$ 3.00	\$ 3.00
10	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)	m²	37.29	\$ 13.54	\$ 504.91	m²	37.29	\$ 15.80	\$ 589.18
11	Ordinary wall plaster (1 cement : 4 sand)	m²	37.29	\$ 4.99	\$ 186.08	m²	37.29	\$ 5.94	\$ 221.50
12	Wall Cement render	m²	37.29	\$ 3.27	\$ 121.94	m²	37.29	\$ 3.32	\$ 123.80
C	Diffusion and Installation pipe Complete								
1	Excavation	m³	6.50	\$ 5.91	\$ 38.42	m³	6.50	\$ 5.91	\$ 38.42
2	concrete for top diffusion	Concrete K 275	0.52	\$ 115.08	\$ 59.84	m³	0.52	\$ 185.76	\$ 96.60
3		Reinforced kg	26.65	\$ 1.59	\$ 42.49	kg	26.65	\$ 1.87	\$ 49.84
		Formwork	m²	\$ 50.07	\$ 130.18	m²	2.60	\$ 53.20	\$ 138.32
4	Gravel 20x20 mm	m³	2.21	\$ 35.00	\$ 77.18	m³	2.21	\$ 35.00	\$ 77.18
5	Fibre of Palmtree	m²	14.25	\$ 10.00	\$ 142.50	m²	14.25	\$ 10.00	\$ 142.50
6	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)	m²	14.25	\$ 13.54	\$ 192.95	m²	14.25	\$ 15.80	\$ 225.15
7	Ordinary wall plaster (1 cement : 4 sand)	m²	14.25	\$ 4.99	\$ 71.11	m²	14.25	\$ 5.94	\$ 84.65
8	Cement render	m²	14.25	\$ 3.27	\$ 46.60	m²	14.25	\$ 3.32	\$ 47.31
	Sub Total				\$ 2,969.19				\$ 3,432.62
	Total Septictank & Diffusion				\$ 2,969.19				\$ 3,432.62
	Total for Plumbing Work				\$ 21,999.65				\$ 19,484.58
B	ELECTRICAL								
I	Medium Voltage Line 20 KV Supply and install all these equipments complete with all necessary fittings and accessories required refer on drawing								
1	Concrete Pole 12 M 350 daN	unit	4.00	\$ 769.76	\$ 3,079.04	unit	4.00	\$ 642.10	\$ 2,568.40
2	AAAC - S 1x 70 mm²	m	50.00	\$ 6.00	\$ 300.00	m	50.00	\$ 3.38	\$ 169.00
3	Pin post Insulator	Unit	12.00	\$ 50.00	\$ 600.00	Unit	12.00	\$ 25.00	\$ 300.00
4	Hang Insulator (Complte with Accesories)	set	2.00	\$ 150.00	\$ 300.00	set	2.00	\$ 60.00	\$ 120.00
5	Fuse Cut outs	set	1.00	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
6	Cross arm A1 Channnel UNP 1.8 Meter (Galvanized)(Begel)	Unit	1.00	\$ 85.00	\$ 85.00	Unit	1.00	\$ 63.90	\$ 63.90
7	Cross arm A2 channnel UNP 2 Meter (Galvanized)(Begel)	Unit	6.00	\$ 150.00	\$ 900.00	Unit	6.00	\$ 112.76	\$ 676.56
8	Braco for Support cross arm (127) (Begel)	Unit	7.00	\$ 25.00	\$ 175.00	Unit	7.00	\$ 18.80	\$ 131.60
9	Helical / Filaca	m	18.00	\$ 3.50	\$ 63.00	m	18.00	\$ 2.25	\$ 40.50
10	Climber Protection	Unit	3.00	\$ 8.00	\$ 24.00	Unit	3.00	\$ 6.01	\$ 18.03
11	Warning Sign	Unit	3.00	\$ 8.00	\$ 24.00	Unit	3.00	\$ 6.01	\$ 18.03
12	Truckschoor (Assembly)	Unit	4.00	\$ 3.36	\$ 13.44	Unit	4.00	\$ 97.71	\$ 390.84
13	Parallel Groove Connector (Al) 35 - 150mm²	Unit	6.00	\$ 8.96	\$ 53.76	Unit	6.00	\$ 3.01	\$ 18.06
14	Construction material (Stone,sand,cement,iron,wire)	Unit	3.00	\$ 12.00	\$ 36.00	Unit	3.00	\$ 19.48	\$ 58.44
	Sub Total				\$ 6,101.24				\$ 4,653.36

EGH

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (USS)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (USS)	AMOUNT (\$)
II	New Transformer 20 KV/400 V								
1	Administration Fee EDTL (power connection)	ls	1	\$ 550.00	\$ 550.00	ls	1.00	\$ 550.00	\$ 550.00
2	Supply & Install Immersed Oil Transformer 50 KVA D Y z n 5 - 3 phase 20kV - 400 V + Accesories	unit	1	\$ 7,275.00	\$ 7,275.00	unit	1.00	\$ 7,035.00	\$ 7,035.00
3	N2300BY 3x95 mm ² (24 kv) Undergound Cable	m	30	\$ 68.17	\$ 2,045.10	m	30.00	\$ 68.17	\$ 2,045.10
4	Fuse Cut Out	set	1	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
5	Lightning Arrester 24 KV	set	1	\$ 448.00	\$ 448.00	set	1.00	\$ 80.00	\$ 80.00
6	Termination Clamp 50 mm	unit	30	\$ 12.00	\$ 360.00	unit	30.00	\$ 1.88	\$ 56.40
7	Raycham Indoor	set	1	\$ 500.00	\$ 500.00	set	1.00	\$ 500.00	\$ 500.00
8	Raycham Outdoor	set	1	\$ 500.00	\$ 500.00	set	1.00	\$ 500.00	\$ 500.00
9	Galvanized pipe 3" (6 m) include Acc.	unit	4	\$ 105.00	\$ 420.00	unit	4.00	\$ 75.17	\$ 300.68
10	NYFCBY 4x35 mm ² to Panel CONTROL	m	15	\$ 43.85	\$ 657.75	m	15.00	\$ 43.85	\$ 657.75
	Sub Total				\$ 13,203.85				\$ 11,304.93
III	M V M D P (Medium Voltage Distribution Panel 20 KV)								
	Free standing - metal enclosed cubicle, fixed type, galvanized metal sheet								
	- Rated voltage : 24 kV								
	- Service voltage : 20 kV								
1	Incoming Cubicle	set	1	\$ 4,909.09	\$ 4,909.09	set	1.00	\$ 4,909.09	\$ 4,909.09
	- SF6 manually operated LBS (400 A)								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
2	Transformer Protection Cubicle; Outgoing	set	1	\$ 6,676.36	\$ 6,676.36	set	1.00	\$ 6,676.36	\$ 6,676.36
	- SF6 manually operated LBS (400 A) with fuse mounted below + shunt trip 220 VAC								
	- 1 set HRC fuse (125 A-20 kV) with striker pin								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
3	Voltage Measurement Cubicle; Outgoing	set	1	\$ 7,069.09	\$ 7,069.09	set	1.00	\$ 7,069.09	\$ 7,069.09
	- SF6 manually operated LBS (400 A)								
	- 1 set potential transformer 20 KV/110 V								
	- 1 set HRC fuse (6.3 A-20 kV)								
	- 1 Unit Voltmeter 0 - 20 KV + VSS 7 Spots								
	- 1 set CVD + indicating light								
	- Short circuiting/earthing switch								
	- 1 set isolated bus (400 A - 500 MVA)								
	- Accessories								
	Sub Total				\$ 18,654.54				\$ 18,654.54
IV	Power station:								
1	Power Backup Silent Generator perkins 50 KVA	Unit	1.00	\$ 8,000.00	\$ 8,000.00	Unit	1.00	\$ 8,000.00	\$ 8,000.00
2	Supply and Install PANEL CONTROL 600X400X200 include all accessories	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 861.36	\$ 861.36
3	Supply and Install OCB 175-250A 4P	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 150.00	\$ 150.00
4	Supply and Install MCCB 80A 3P	Unit	1.00	\$ 100.98	\$ 100.98	Unit	1.00	\$ 100.98	\$ 100.98
5	Supply and Install Cable NYY 4X10mm ² +PVC	m1	30.00	\$ 14.42	\$ 432.60	m1	30.00	\$ 13.57	\$ 407.10
V	Supply and Install PANEL SDP-A 600X400X200 include all accessories	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 188.88	\$ 188.88
1	Supply and Install MCCB 50A 3P	Unit	1.00	\$ 86.28	\$ 86.28	Unit	1.00	\$ 86.28	\$ 86.28
2	Supply and Install MCB 6A 1P	Unit	17.00	\$ 9.63	\$ 163.71	Unit	17.00	\$ 8.58	\$ 145.86
3	Supply and Install MCB 10A 1P	Unit	5.00	\$ 12.78	\$ 63.90	Unit	5.00	\$ 9.11	\$ 45.55
4	Supply and Install MCB 16A 1P	Unit	1.00	\$ 15.93	\$ 15.93	Unit	1.00	\$ 9.11	\$ 9.11
5	Supply and Install MCB 20A 1P	Unit	2.00	\$ 18.03	\$ 36.06	Unit	2.00	\$ 9.11	\$ 18.22
6	Supply and Install Fluorescent TL 2X36W	Unit	23.00	\$ 50.00	\$ 1,150.00	Unit	23.00	\$ 54.78	\$ 1,259.94
7	Supply and Install Downlight 15W	Unit	15.00	\$ 15.00	\$ 225.00	Unit	15.00	\$ 15.93	\$ 238.95
8	Supply and Install Circular Light 25W	Unit	4.00	\$ 25.00	\$ 100.00	Unit	4.00	\$ 25.00	\$ 100.00
9	Supply and Install Downlight 7 W	Unit	18.00	\$ 7.00	\$ 126.00	Unit	18.00	\$ 10.41	\$ 187.38
10	Supply and Install Exhaust Fan	Unit	6.00	\$ 49.03	\$ 294.18	Unit	6.00	\$ 42.18	\$ 253.08
11	Supply and Install Power Outlet 250VA	Unit	55.00	\$ 8.00	\$ 440.00	Unit	55.00	\$ 5.67	\$ 311.85
12	Supply and Install Single switch	Unit	31.00	\$ 6.00	\$ 186.00	Unit	31.00	\$ 5.15	\$ 159.65
13	Supply and Install Double switch	Unit	15.00	\$ 8.00	\$ 120.00	Unit	15.00	\$ 5.67	\$ 85.05
	Sub Total				\$ 12,690.64				\$ 12,609.24



PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
V	TRAY CABLE:								
1	Tray Cable 400x100 with cover	M1	24	\$ 40.35	\$ 968.40	M1	24.00	\$ 40.35	\$ 968.40
2	Supply and Install Cable NYM 3X2,5mm + PVC	m1	500	\$ 4.50	\$ 2,250.00	m1	500.00	\$ 3.98	\$ 1,990.00
3	Supply and Install Cable NYM 3X1,5mm + PVC	m1	400	\$ 3.50	\$ 1,400.00	m1	400.00	\$ 3.49	\$ 1,394.60
	Total TRAY CABLE Work				\$ 4,618.40				\$ 4,353.00
	Total Electrical Work				\$ 55,268.67				\$ 52,075.07
VI	AIR CONDITIONAL (AC)								
	Supply and Install PANEL AC 600X400X200 include all accessories								
	Supply and Install MCCB 40A 3P	Unit	1.00	\$ 75.00	\$ 75.00	Unit	1.00	\$ 75.00	\$ 75.00
	Supply and Install MCB 6A	Unit	1.00	\$ 9.63	\$ 9.63	Unit	1.00	\$ 8.58	\$ 8.58
	Supply and Install MCB 10A	Unit	14.00	\$ 12.78	\$ 178.92	Unit	14.00	\$ 9.11	\$ 127.54
	Supply and Install AC 9000 BTU power outlet for AC	Unit	14.00	\$ 354.13	\$ 4,957.82	Unit	14.00	\$ 432.88	\$ 6,060.32
	Installation power outlet AC 9000 BTU with cable NYM 3X2,5 mm in conduit 20 mm pvc	Unit	14.00	\$ 8.90	\$ 112.00	Unit	14.00	\$ 5.67	\$ 79.38
	Pipe refrigerant for AC 9000 BTU	Point	14.00	\$ 25.00	\$ 350.00	Point	14.00	\$ 27.25	\$ 381.50
	Supply and Install Ceiling Fan + Remote control	m1	13.00	\$ 5.00	\$ 65.00	m1	13.00	\$ 5.00	\$ 65.00
	Total Air Conditioning (AC) Work	Unit	2.00	\$ 95.00	\$ 190.00	Unit	2.00	\$ 86.28	\$ 172.56
					\$ 5,938.37				\$ 6,969.88
VII	CCTV								
	Supply and Install all item								
a.	NVR 16 channel camera input, tri real time display Hardisk 1	unit	1.00	\$ 500.00	\$ 500.00	unit	1.00	\$ 415.59	\$ 415.59
b.	MPBG 4 built in network	unit	1.00	\$ 14.04	\$ 14.04	unit	1.00	\$ 14.04	\$ 14.04
c.	Keyboard controller PT2	unit	1.00	\$ 250.00	\$ 250.00	unit	1.00	\$ 313.26	\$ 313.26
d.	LCD Monitor 32" colour	unit	1.00	\$ 300.00	\$ 300.00	unit	1.00	\$ 300.00	\$ 300.00
e.	UPS 1 KVA complete with Backup battery 15 minuit	unit	1.00	\$ 92.00	\$ 184.00	Roll	2.00	\$ 63.89	\$ 127.78
f.	Cable installation network	Roll	2.00	\$ 250.00	\$ 1,000.00	unit	4.00	\$ 217.41	\$ 869.64
g.	Dome camera colour hikvision 8 mpx indoor camera	unit	4.00	\$ 300.00	\$ 1,200.00	unit	5.00	\$ 281.69	\$ 1,408.45
h.	Bullet Camera hikvision 8 mpx outdoor camera	unit	5.00	\$ 250.00	\$ 1,250.00	Roll	1.00	\$ 253.51	\$ 253.51
i.	CABLE CAT6 (300m)	Roll	1.00	\$ 100.00	\$ 100.00	lot	1.00	\$ 100.00	\$ 100.00
	Test and commissioning	lot	1.00	\$ 4,098.04					\$ 3,802.27
	Total for CCTV Work								
VIII	FIRE ALARM								
	Supply and Install all item								
MAIN UNIT :									
MCFA Single ZONE	un	1.00	\$ 438.00	\$ 438.00	un	1.00	\$ 438.00	\$ 438.00	
ANNUNCIATOR	un	1.00	\$ 228.00	\$ 228.00	un	1.00	\$ 228.00	\$ 228.00	
Cable feader from MCFA to ANNUNCIATOR	m	35.00	\$ 2.50	\$ 87.50	m	35.00	\$ 2.50	\$ 87.50	
installation smoke detector with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	15.00	\$ 50.00	\$ 750.00	Point	15.00	\$ 50.00	\$ 750.00	

EPA

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

MEP

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
	installation Heat detector with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	6.00	\$ 50.00	\$ 300.00	Point	6.00	\$ 50.00	\$ 300.00
	installation ALARM BELL with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	2.00	\$ 25.00	\$ 50.00	Point	2.00	\$ 25.00	\$ 50.00
	installation INDICATOR LAMP with cable NYA 2 x 1,5 mm in conduit pvc Ø 20 mm	Point	2.00	\$ 25.00	\$ 50.00	Point	2.00	\$ 25.00	\$ 50.00
	Smoke Detector	un	15.00	\$ 75.50	\$ 1,132.50	un	15.00	\$ 41.84	\$ 627.60
	Heat Detector	un	6.00	\$ 75.50	\$ 453.00	un	6.00	\$ 75.50	\$ 453.00
	Alarm bell	un	1.00	\$ 52.81	\$ 52.81	un	1.00	\$ 52.81	\$ 52.81
	Push button	un	1.00	\$ 61.58	\$ 61.58	un	1.00	\$ 61.58	\$ 61.58
	Indicator lamp	un	1.00	\$ 52.81	\$ 52.81	un	1.00	\$ 52.81	\$ 52.81
	TB Box	un	1.00	\$ 39.91	\$ 39.91	un	1.00	\$ 39.91	\$ 39.91
	EOL	un	2.00	\$ 0.70	\$ 1.40	un	2.00	\$ 0.70	\$ 1.40
	Test and commissioning	lot	1.00	\$ 500.00	\$ 500.00	lot	1.00	\$ 500.00	\$ 500.00
	Total Fire Alarm Work				\$ 4,197.51				\$ 3,692.61
IX	FIRE PROTECTION								
	Supply and Install all item								
	Fire Extinguisher type ABC Powder cap : 5 kg	un	3.00	\$ 75.00	\$ 225.00	un	3.00	\$ 75.00	\$ 225.00
	Total for Fire Protection Work				\$ 225.00				\$ 225.00
X	SOUND SYSTEM AUDITORIUM ROOM								
	Supply and Install all item								
	Power Amplifier 125 W	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 500.00	\$ 500.00
	Mixer amplifier 12 channel	Unit	1.00	\$ 315.79	\$ 315.79	Unit	1.00	\$ 315.79	\$ 315.79
	DVD/USB/BT	Unit	1.00	\$ 80.00	\$ 80.00	Unit	1.00	\$ 80.00	\$ 80.00
	SUBWOFER	Unit	1.00	\$ 223.68	\$ 223.68	Unit	1.00	\$ 223.68	\$ 223.68
	Ceiling Speaker	Unit	25.00	\$ 45.00	\$ 1,125.00	Unit	25.00	\$ 41.04	\$ 1,026.00
	Volume Speaker	Unit	11.00	\$ 15.00	\$ 165.00	Unit	11.00	\$ 15.00	\$ 165.00
	MIC Triport	Unit	1.00	\$ 15.00	\$ 15.00	Unit	1.00	\$ 15.00	\$ 15.00
	Mic wireless	Unit	2.00	\$ 61.40	\$ 122.80	Unit	2.00	\$ 61.40	\$ 122.80
	Cabinet rack 32 c/w acc (Rack server 32U, standing close Rack glass Door(IR6032G), 19 inch Cabinet Rack, Dimension 600Dx600Wx1605H mm, 82 kg)	Unit	1.00	\$ 950.00	\$ 950.00	Unit	1.00	\$ 932.76	\$ 932.76
	Cable mic	M1	5.00	\$ 3.50	\$ 17.50	M1	5.00	\$ 3.50	\$ 17.50
	Cable speaker OLFLEX KABEL 2 X 1.5 mm in HIC	M1	200.00	\$ 3.50	\$ 700.00	M1	200.00	\$ 2.50	\$ 500.00
	connector for cable to speaker/sound	pcs	10.00	\$ 27.63	\$ 276.30	pcs	10.00	\$ 27.63	\$ 276.30
	Test and commissioning	lot	1.00	\$ 13.16	\$ 13.16	lot	1.00	\$ 13.16	\$ 13.16
	Total for Sound System Work				\$ 4,504.23				\$ 4,187.99
H	LIGHTING PROTECTION								
	Supply and Install all item								
	Lead protection lighting radius 3.5 m	un	1.00	\$ 328.95	\$ 328.95	un	1.00	\$ 328.95	\$ 328.95
	support pipe GIP Ø 50 mm	un	1.00	\$ 166.90	\$ 166.90	un	1.00	\$ 166.90	\$ 166.90
	Cable NYK 1 x 70 mm	m	40.00	\$ 13.73	\$ 549.20	m	40.00	\$ 12.78	\$ 511.20
	Grounding rood Ø 25 mm	m	6.00	\$ 217.60	\$ 1,305.60	m	6.00	\$ 217.60	\$ 1,305.60
	Box control 40 x 40 cm	un	1.00	\$ 70.18	\$ 70.18	un	1.00	\$ 70.18	\$ 70.18
	Test and commissioning	lot	1.00	\$ 87.72	\$ 87.72	lot	1.00	\$ 87.72	\$ 87.72
	Total for Lighting Protection Work				\$ 2,508.55				\$ 2,170.55
I	TELEPHONE								
	Supply and Install all item								
	Penyambungan jaringan baru TELKOM 3 line								
	PABX 2-5 ch + 2 poert + 30 port	Unit	1.00	\$ 456.14	\$ 456.14	Unit	1.00	\$ 456.14	\$ 456.14
	Wall mount rack (Rack server 15U, WallMount rack singel glass door (WIR4515S), 19 inch Cabinet rack, Dimension 450Dx600Wx780H mm and Weight 30 kg)	Unit	1.00	\$ 375.00	\$ 375.00	Unit	1.00	\$ 371.01	\$ 371.01
	Printer standart hp(Laserjet Pro MFP M125a) black and colour	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 220.14	\$ 220.14
	Kabel ITC 10 x 0.6 pair in pipe PVC 1,5"	m	70.00	\$ 4.82	\$ 337.40	m	70.00	\$ 4.82	\$ 337.40
	UPS 2 Kva	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 370.01	\$ 370.01
	Terminal Box 20 pair	Unit	1.00	\$ 35.09	\$ 35.09	Unit	1.00	\$ 35.09	\$ 35.09
	Instalasi outlet telepon	Point	13.00	\$ 15.88	\$ 206.44	Point	13.00	\$ 14.00	\$ 182.00
	Outlet telepon	pcs	18.00	\$ 8.95	\$ 161.10	pcs	18.00	\$ 8.95	\$ 161.10
	Instalasi outlet telepon direct	Unit	5.00	\$ 50.00	\$ 250.00	Unit	5.00	\$ 50.00	\$ 250.00
	Total for Telephone Work				\$ 2,821.17				\$ 2,382.89
J	LAN/DATA								
	Supply and Install all item								
	Cabinet rack 32 c/w acc (Rack server 32U, standing close Rack glass Door(IR6032G), 19 inch Cabinet Rack, Dimension 600Dx600Wx1605H mm, 82 kg)	Unit	1.00	\$ 950.00	\$ 950.00	Unit	1.00	\$ 932.76	\$ 932.76
	UPS 2 Kva	Unit	1.00	\$ 500.00	\$ 500.00	Unit	1.00	\$ 395.01	\$ 395.01
	Switch 24 Port/RG-NBS3100-24GT4SFP-P1	Unit	1.00	\$ 570.00	\$ 570.00	Unit	1.00	\$ 558.29	\$ 558.29
	PATCH Panel 24 port	Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 129.62	\$ 129.62
	Instalasi data	point	15.00	\$ 14.95	\$ 224.25	point	15.00	\$ 14.95	\$ 59.80
	acces point(Wiffl RG-720L)	point	4.00	\$ 120.00	\$ 480.00	point	4.00	\$ 14.95	\$ 59.80
	Outlet data (Simon)	pcs	15.00	\$ 9.55	\$ 143.40	pcs	15.00	\$ 125.14	\$ 1,877.10
	Cable UTP Cat 6 in conduit 20 mm (300m)	roll	1.00	\$ 250.00	\$ 250.00	roll	1.00	\$ 9.56	\$ 9.56
	Test and commissioning	lot	1.00	\$ 500.00	\$ 500.00	lot	1.00	\$ 250.00	\$ 250.00
	Total for LAN/DATA Work				\$ 3,767.65				\$ 4,212.14
	Total for Mechanical Work				\$ 28,060.52				\$ 27,943.33
	TOTAL MEP WORK				\$ 105,328.84				\$ 99,502.99

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
I	PRELIMINARY WORK									
1	Sand filling, t = 10 cm	m3	86.60	\$ 8.93	\$ 773.34	m3	86.60	\$ 8.93	\$ 773.34	
2	Paving block work 20 x 10 x 6 cm	m2	866.00	\$ 33.84	\$ 29,305.44	m2	866.00	\$ 28.41	\$ 24,603.06	
3	Kansteen concrete work - K125	m1	204.02	\$ 15.43	\$ 3,147.07	m1	204.02	\$ 13.71	\$ 2,796.64	
	painting for kansteen	m2	40.80	\$ 1.61	\$ 65.69	m2	40.80	\$ 3.60	\$ 146.89	
4	Concrete floor, t = 10 cm - K125	m3	4.11	\$ 100.14	\$ 411.98	m3	4.11	\$ 174.13	\$ 716.37	
5	Humus soil	m3	37.65	\$ 35.00	\$ 3,067.58	m3	37.65	\$ 35.00	\$ 3,067.58	
6	Grass planting (<i>Zostia japonica</i> (Japanese lawngrass))	m2	292.15	\$ 5.00	\$ 1,460.75	m2	292.15	\$ 10.38	\$ 3,031.35	
7	Red Shoot Tree h = 2 m	unit	30.00	\$ 150.00	\$ 4,500.00	unit	30.00	\$ 100.00	\$ 3,000.00	
8	Supply and installation flagpole such as drawing complete with all accessories	unit	1.00	\$ 350.00	\$ 350.00	unit	1.00	\$ 350.00	\$ 350.00	
II	ELECTRICAL FOR LANSCAPE									
1	MCB Box 6-Ways	unit	1.00	\$ 6.00	\$ 6.00	unit	1.00	\$ 6.00	\$ 6.00	
2	LED LIGHT 15 W + CAP	unit	1.00	\$ 35.00	\$ 35.00	unit	1.00	\$ 35.00	\$ 35.00	
3	MCB 20A 1P	unit	1.00	\$ 18.03	\$ 18.03	unit	1.00	\$ 9.11	\$ 9.11	
4	MCB 10A 1P	unit	1.00	\$ 12.78	\$ 12.78	unit	1.00	\$ 9.11	\$ 9.11	
5	Theben Timer (Automatic Timer)	unit	1.00	\$ 32.50	\$ 32.50	unit	1.00	\$ 32.50	\$ 32.50	
6	RCCE/RCD 30mA 16A	unit	1.00	\$ 45.00	\$ 45.00	unit	1.00	\$ 45.00	\$ 45.00	
7	Cable NYFGBY 3x2.5 mm +PVC	m1	300.00	\$ 6.50	\$ 1,950.00	m1	300.00	\$ 6.33	\$ 1,897.50	
	Sub Total				\$ 45,181.15				\$ 40,519.45	
III	FENCE WORK									
A	EARTH AND SAND WORK									
1	Bowplank	ls	1.00	\$ 500.00	\$ 500.00	ls	1.00	\$ 500.00	\$ 500.00	
2	Excavation for ordinary foundation	m3	120.00	\$ 5.14	\$ 616.80	m3	120.00	\$ 5.14	\$ 616.80	
3	Stone masonry work (1 cement : 4 sand)	m3	66.00	\$ 67.15	\$ 4,431.90	m3	66.00	\$ 99.74	\$ 6,582.84	
4	Foundation excavation backfilling	m3	30.00	\$ 1.70	\$ 51.00	m3	30.00	\$ 1.70	\$ 51.00	
5	Sand filling under foundation	m3	7.50	\$ 8.93	\$ 66.98	m3	7.50	\$ 8.93	\$ 66.98	
	Sub Total				\$ 5,666.68				\$ 7,817.62	
B	WALL WORKS AND PLASTER WORK									
1	Ordinary block wall 40x20x10 cm masonry (1 sand : 4 sand)	m2	417.50	\$ 13.54	\$ 5,652.95	m2	417.50	\$ 15.80	\$ 6,596.50	
2	Ordinary wall plaster (1 cement : 4 sand) 15 mm thickness	m2	835.00	\$ 4.99	\$ 4,166.65	m2	835.00	\$ 5.94	\$ 4,959.90	
3	Wall cement render	m2	835.00	\$ 3.27	\$ 2,730.45	m2	835.00	\$ 3.32	\$ 2,772.20	
	Sub Total				\$ 12,550.05				\$ 14,328.60	
C	CONCRETE WORKS									
1	Concrete sloaf 200x300 mm - K175	Concrete K175	m3	11.28	\$ 104.27	\$ 1,176.17	m3	11.28	\$ 175.13	\$ 1,975.47
	Reinforced	kg	2004.96	\$ 1.59	\$ 3,195.90	kg	2,004.96	\$ 1.87	\$ 3,749.27	
	Formwork	m2	112.80	\$ 29.56	\$ 3,334.37	m2	112.80	\$ 32.69	\$ 3,687.43	
2	Concrete beam 150x200 mm - K175	Concrete K175	m3	5.04	\$ 104.27	\$ 525.52	m3	5.04	\$ 175.13	\$ 882.66
	Reinforced	kg	946.62	\$ 1.59	\$ 1,508.92	kg	946.62	\$ 1.87	\$ 1,770.19	
	Formwork	m2	67.20	\$ 50.07	\$ 3,364.70	m2	67.20	\$ 53.20	\$ 3,575.04	
3	Concrete column 150x150 mm - K175 for fence type 2 & 3	Concrete K175	m3	7.20	\$ 104.27	\$ 750.74	m3	7.20	\$ 175.13	\$ 1,260.94
	Reinforced	kg	1,061.64	\$ 1.59	\$ 1,692.25	kg	1,061.64	\$ 1.87	\$ 1,985.27	
	Formwork	m2	144.00	\$ 40.50	\$ 5,832.00	m2	144.00	\$ 43.63	\$ 6,282.72	
	Sub Total				\$ 21,380.53				\$ 25,168.97	
D	PAINTING WORK									
1	Wall and column painting	m2	1,152.00	\$ 3.46	\$ 3,985.92	m2	1,152.00	\$ 3.60	\$ 4,147.20	
	Sub Total				\$ 3,985.92				\$ 4,147.20	

PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
E	SUPPLY AND INSTALLATION WORK								
1	Supply and installation main gate	Unit	2.00	\$ 750.00	\$ 1,500.00	Unit	2.00	\$ 750.00	\$ 1,500.00
2	Supply and installation marble nameboard include stainless steel letter	Ls	1.00	\$ 1,250.00	\$ 1,250.00	Ls	1.00	\$ 1,250.00	\$ 1,250.00
					\$ 2,750.00				\$ 2,750.00
					\$ 46,333.22				\$ 54,212.39
IV	DRAINAGE WORK								
A	EARTH WORK								
1	Setting out bowplank	Ls	1.00	\$ 500.00	\$ 500.00	Ls	1.00	\$ 500.00	\$ 500.00
2	Excavation for ordinary foundation	m3	71.83	\$ 5.14	\$ 369.23	m3	71.83	\$ 5.14	\$ 369.23
3	Foundation excavation backfilling	m3	10.26	\$ 1.70	\$ 17.45	m3	10.26	\$ 1.70	\$ 17.45
4	Sand filling under foundation	m3	10.26	\$ 8.93	\$ 91.64	m3	10.26	\$ 8.93	\$ 91.64
5	Stone masonry	m3	28.59	\$ 67.15	\$ 1,919.62	m3	28.59	\$ 99.74	\$ 2,851.27
6	Plaster 1PC : 4PS thickness 20mm	m2	190.53	\$ 6.11	\$ 1,164.44	m2	190.53	\$ 5.94	\$ 1,132.05
7	Cover Steel type L30X30X3mm - 50mm	m1	146.60	\$ 23.51	\$ 3,446.91	m1	146.60	\$ 2.44	\$ 357.70
					\$ 7,509.28				\$ 5,319.33
V	SECURITY POST								
A	EARTH AND SAND WORK								
1	Bowplank	m1	10.20	\$ 11.03	\$ 112.51	m1	10.20	\$ 11.04	\$ 112.61
2	Excavation for ordinary foundation	m3	10.56	\$ 5.14	\$ 54.28	m3	10.56	\$ 5.14	\$ 54.28
3	Foundation excavation backfilling	m3	2.64	\$ 1.70	\$ 4.49	m3	2.64	\$ 1.70	\$ 4.49
4	Sand filling under foundation	m3	0.66	\$ 8.93	\$ 5.89	m3	0.66	\$ 8.93	\$ 5.89
5	Sand filling under floor	m3	0.48	\$ 8.93	\$ 4.29	m3	0.48	\$ 8.93	\$ 4.29
6	Stone masonry	m3	5.81	\$ 67.15	\$ 390.01	m3	5.81	\$ 99.74	\$ 579.29
					\$ 571.46				\$ 760.84
B	WALL MASONRY WORKS AND PLASTER WORK								
1	Ordinary block wall 40x20x10 cm masonry (1 sand : 4 sand)	m2	36.60	\$ 13.54	\$ 495.56	m2	36.60	\$ 15.80	\$ 578.28
2	Ordinary wall plaster (1 cement : 4 sand) 15 mm thickness	m2	73.20	\$ 4.99	\$ 365.27	m2	73.20	\$ 5.94	\$ 434.81
3	Wall cement render	m2	73.20	\$ 3.27	\$ 239.36	m2	73.20	\$ 3.32	\$ 243.02
4	Bathroom ceramic wall : 20x25 cm for 1st floor	m2	6.60	\$ 21.18	\$ 139.79	m2	6.60	\$ 23.72	\$ 156.55
					\$ 1,239.98				\$ 1,412.66
C	CONCRETE WORKS								
1	Concrete sloof 150x200 mm - K275	Concrete K275	0.46	\$ 115.08	\$ 52.48	m3	0.46	\$ 185.76	\$ 84.71
		Reinforced	kg	113.25	\$ 1.59	kg	113.25	\$ 1.87	\$ 211.78
		Formwork	m2	6.08	\$ 29.56	m2	6.08	\$ 32.69	\$ 198.76
2	Concrete beam ring 150x200 mm - K275	Concrete K275	0.46	\$ 115.08	\$ 52.48	m3	0.46	\$ 185.76	\$ 84.71
		Reinforced	kg	113.25	\$ 1.59	kg	113.25	\$ 1.87	\$ 211.78
		Formwork	m2	8.36	\$ 50.07	m2	8.36	\$ 53.20	\$ 444.75
3	Concrete column 150x200 mm - K275	Concrete K275	0.72	\$ 115.08	\$ 82.86	m3	0.72	\$ 185.76	\$ 133.75
		Reinforced	kg	149.20	\$ 1.59	kg	149.20	\$ 1.87	\$ 279.00
		Formwork	m2	14.40	\$ 40.50	m2	14.40	\$ 43.63	\$ 628.27
4	Concrete column 150x400mm - K275	Concrete K275	0.18	\$ 115.08	\$ 20.71	m3	0.18	\$ 185.76	\$ 33.44
		Reinforced	kg	39.77	\$ 1.59	kg	39.77	\$ 1.87	\$ 74.37
		Formwork	m2	3.30	\$ 40.50	m2	3.30	\$ 43.63	\$ 143.98
5	Concrete slab, t = 120 mm - K275	Concrete K 275	0.96	\$ 115.08	\$ 110.48	m3	0.96	\$ 185.76	\$ 178.33

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PROJECT OWNER : MINISTERIO DO INTERIOR
PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

LANDSCAPE WORK

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.				
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	
6	Concrete roof	Concrete K275 Reinforced Formwork Sub Total	m ³	0.85	\$ 115.08	\$ 98.19	m ³	0.85	\$ 185.76	\$ 158.49
			kg	58.49	\$ 1.59	\$ 93.24	kg	58.49	\$ 1.87	\$ 109.38
			m ²	7.11	\$ 50.07	\$ 356.00	m ²	7.11	\$ 53.20	\$ 378.25
						\$ 2,843.84				\$ 3,353.73
D	FLOOR WORK									
2	Ceramic Tile 40x40 cm		m ²	8.39	\$ 19.98	\$ 167.63	m ²	8.39	\$ 25.54	\$ 214.28
3	Ceramic Tile 20x20 cm for toilet		m ²	1.21	\$ 21.18	\$ 25.63	m ²	1.21	\$ 24.41	\$ 29.54
		Sub Total				\$ 193.26				\$ 243.82
E	DOORS, WINDOWS And VENTILATIONS WORKS									
1	Door type D-1, including all accessories		Unit	1.00	\$ 300.00	\$ 300.00	Unit	1.00	\$ 230.00	\$ 230.00
2	Door type D-2, including all accessories		Unit	1.00	\$ 150.00	\$ 150.00	Unit	1.00	\$ 170.00	\$ 170.00
3	Window type W-1, including all accessories		Unit	1.00	\$ 200.00	\$ 200.00	Unit	1.00	\$ 140.00	\$ 140.00
4	Window type W-2, including all accessories		Unit	1.00	\$ 100.00	\$ 100.00	Unit	1.00	\$ 75.00	\$ 75.00
5	Ventilation type EV-1, including all accessories		Unit	2.00	\$ 60.00	\$ 160.00	Unit	2.00	\$ 65.00	\$ 130.00
		Sub Total				\$ 910.00				\$ 745.00
F	CEILING WORK									
1	Supply and install gypsumboard 9 mm thick		m ²	14.57	\$ 12.38	\$ 180.41	m ²	14.57	\$ 12.89	\$ 184.93
2	Supply and install hollow frame 40/40 mm		m ²	14.57	\$ 14.31	\$ 208.53	m ²	14.57	\$ 14.16	\$ 206.35
3	Supply and install ceiling cornice profile gypsum		m'	14.00	\$ 3.92	\$ 54.88	m'	14.00	\$ 3.94	\$ 53.16
		Sub Total				\$ 443.82				\$ 446.43
G	ROOFING WORKS									
1	RHS 100X50X1.5mm for trusses		kg	462.52	\$ 3.08	\$ 1,424.57	kg	462.52	\$ 2.44	\$ 1,128.55
2	Purlin Chanel 100x50x1.5mm		kg	50.46	\$ 1.81	\$ 91.34	kg	50.46	\$ 4.21	\$ 212.45
3	Metal Roofing 0,42		m ²	21.36	\$ 28.00	\$ 598.08	m ²	21.36	\$ 20.26	\$ 432.75
4	Ridge capping, 0.42 mm		m ²	10.60	\$ 15.00	\$ 159.00	m ²	10.60	\$ 15.47	\$ 163.98
		Sub Total				\$ 2,272.99				\$ 1,937.74
H	ELECTRICAL WORKS									
1	MCB Box 1-Way		Unit	1.00	\$ 3.50	\$ 3.50	Unit	1.00	\$ 3.50	\$ 3.50
2	MCB 6 A 1P		Unit	1.00	\$ 9.63	\$ 9.63	Unit	1.00	\$ 8.58	\$ 8.58
3	Supply and install Dowlight philips lamp 15 watt		Unit	1.00	\$ 10.00	\$ 10.00	Unit	1.00	\$ 14.61	\$ 14.61
4	Supply and install Dowlight philips lamp 7 watt		Unit	1.00	\$ 7.00	\$ 7.00	Unit	1.00	\$ 10.41	\$ 10.41
5	Supply and install single switch lamp good quality		Unit	2.00	\$ 6.00	\$ 12.00	Unit	2.00	\$ 5.15	\$ 10.30
6	Supply and install single Power Outlet good quality		Unit	1.00	\$ 8.00	\$ 8.00	Unit	1.00	\$ 5.67	\$ 5.67
7	Cable NYM 3x1.5 mm + PVC		m ¹	15.00	\$ 4.50	\$ 67.50	m ¹	15.00	\$ 3.49	\$ 52.30
8	Cable NYFGBY 3x2.5 mm + PVC		m ¹	50.00	\$ 6.50	\$ 325.00	m ¹	50.00	\$ 6.33	\$ 316.25
		Sub Total				\$ 442.63				\$ 421.62
I	SANITATION WORK									
1	Squat closet colour white + accessories		Unit	1.00	\$ 273.46	\$ 273.46	Unit	1.00	\$ 364.31	\$ 364.31
2	Supply and install Floor drain		Unit	1.00	\$ 5.97	\$ 5.97	Unit	1.00	\$ 5.97	\$ 5.97
3	Pipe PVC AW dia 0.5" for cold water pipe installation		m'	20.00	\$ 2.71	\$ 54.20	m'	20.00	\$ 2.23	\$ 44.60
4	Pipe PVC dia. 3" for waste water pipe instalation		m'	20.00	\$ 10.30	\$ 206.00	m'	20.00	\$ 11.31	\$ 226.20
5	Pipe PVC dia. 4" for water closed pipe installation		m'	10.00	\$ 13.70	\$ 137.00	m'	10.00	\$ 19.69	\$ 196.90
6	Septictank 1500x1000 mm		Unit	1.00	\$ 1,200.00	\$ 1,200.00	Unit	1.00	\$ 1,200.00	\$ 1,200.00
7	Absorption		Unit	1.00	\$ 600.00	\$ 600.00	Unit	1.00	\$ 300.00	\$ 300.00
		Sub Total				\$ 2,476.63				\$ 2,337.98
J	PAINTING WORK									
1	Wall painting		m ²	73.20	\$ 3.46	\$ 253.27	m ²	73.20	\$ 3.60	\$ 268.52
2	Ceiling painting		m ²	14.57	\$ 3.36	\$ 48.96	m ²	14.57	\$ 3.50	\$ 51.00
		Sub Total				\$ 302.24				\$ 314.52
K	SEPTICTANK									
1	Excavation		m ³	4.50	\$ 5.91	\$ 26.60	m ³	4.50	\$ 5.91	\$ 26.60
2	sand bedding		m ³	0.30	\$ 14.13	\$ 4.24	m ³	0.30	\$ 8.93	\$ 2.68
3	concrete slab		m ³	0.53	\$ 104.27	\$ 55.47	m ³	0.53	\$ 175.13	\$ 93.17
4	concrete column		Concrete K 175 Reinforced Formwork	m ³	0.60	\$ 104.27	m ³	0.60	\$ 175.13	\$ 105.08
			kg	95.99	\$ 1.59	\$ 153.01	kg	95.99	\$ 1.87	\$ 179.50
5	Concrete for top septictank		m ²	12.00	\$ 40.50	\$ 486.00	m ²	12.00	\$ 43.63	\$ 523.56
		Concrete K 175 Reinforced Formwork	m ³	0.53	\$ 104.27	\$ 55.47	m ³	0.53	\$ 175.13	\$ 93.17
			kg	43.77	\$ 1.59	\$ 69.76	kg	43.77	\$ 1.87	\$ 81.84
			m ²	5.32	\$ 50.07	\$ 266.37	m ²	5.32	\$ 53.20	\$ 283.02
6	Pipe PVC dia. 4"		m'	6.00	\$ 12.38	\$ 74.28	m'	6.00	\$ 19.69	\$ 118.14
7	Pipe PVC dia. 2"		m'	2.00	\$ 5.05	\$ 10.10	m'	2.00	\$ 8.56	\$ 17.12
8	Tee PVC dia. 4"		Unit	1.00	\$ 19.17	\$ 19.17	Unit	1.00	\$ 12.60	\$ 12.60
9	Tee PVC dia. 2"		Unit	1.00	\$ 5.36	\$ 5.36	Unit	1.00	\$ 3.00	\$ 3.00
10	Ordinary block wall masonry 40x20x10 cm (1 cement : 4 sand)		m ²	37.29	\$ 13.42	\$ 500.43	m ²	37.29	\$ 15.80	\$ 589.18
11	Ordinary wall plaster (1 cement : 4 sand)		m ²	37.29	\$ 4.94	\$ 184.21	m ²	37.29	\$ 5.94	\$ 221.50
12	Wall Cement render		m ²	37.29	\$ 3.21	\$ 119.70	m ²	37.29	\$ 3.32	\$ 123.80
		Sub Total				\$ 2,092.74				\$ 2,474.17
		Total for Security Post one unit				\$ 13,789.58				\$ 14,448.52
		Total for Security Post two unit				\$ 27,579.17				\$ 28,897.04
		Total for LANDSCAPE				\$ 126,602.82				\$ 128,948.20

PROJECT OWNER : MINISTERIO DO INTERIOR
 PROJECT TITLE : NEW CONSTRUCTION OF ESQUADRA COVALIMA
 PROJECT LOCATION : FATUMEA, COVALIMA, TIMOR LESTE

OVERHEAD

NO	DESCRIPTION OF WORKS	OWNER COST ESTIMATED				RESULT, ADN, I.P.			
		UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)	UNIT	VOLUME	UNIT PRICE (US\$)	AMOUNT (\$)
1	Contractor project team	month	12.00	\$ 1,000.00	\$ 12,000.00	month	12.00	\$ 500.00	\$ 6,000.00
2	Safety equipment and first AID equipment	unit	2.00	\$ 500.00	\$ 1,000.00	unit	2.00	\$ 500.00	\$ 1,000.00
3	Material sampling and testing	sheet	5.00	\$ 1,000.00	\$ 5,000.00	sheet	5.00	\$ 1,827.00	\$ 9,135.00
4	Project report and documentation	month	12.00	\$ 50.00	\$ 600.00	month	12.00	\$ 300.00	\$ 3,600.00
5	Contractor site security 2 Person	month	12.00	\$ 300.00	\$ 3,600.00	month	12.00	\$ 300.00	\$ 3,600.00
6	As build drawing	sheet	1.00	\$ 500.00	\$ 500.00	sheet	1.00	\$ 300.00	\$ 300.00
	TOTAL				\$ 22,700.00				\$ 23,635.00