

Project Sidara

Timor-Leste

8°33′51.8″S 125°39′51.9″E (-8.5643784,125.6644173)

A Resilience Building Initiative by IFLA APR



Project Background

Timor-Leste

8°33′51.8″S 125°39′51.9″E (-8.5643784,125.6644173)

INTERNATIONAL FEDERATION OF LANDSCAPE ARCHITECTS



Initiated by















Resilience building project for Community

Timor-Leste

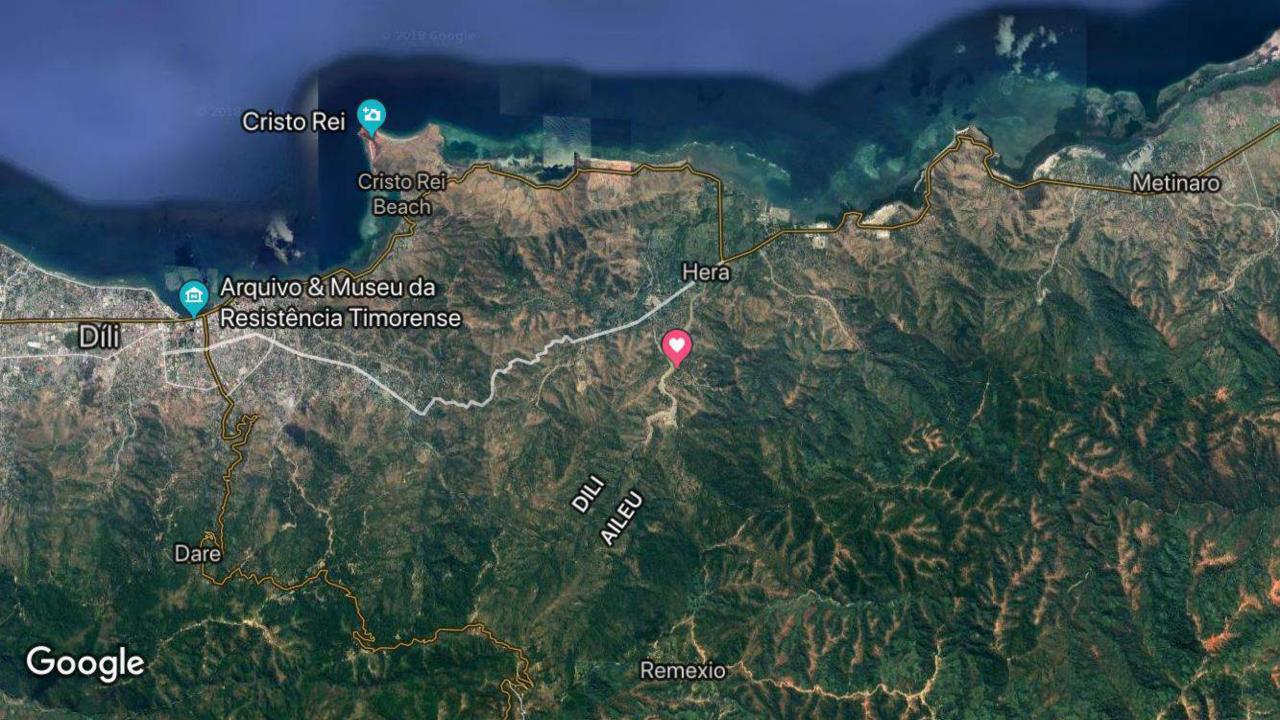
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Project Sidara, Hera

Timor-Leste

8°33′51.8″S 125°39′51.9″E (-8.5643784,125.6644173)





Background - Crisis in Timor-Leste

- 2006/2007: Crisis in Timor.
- Branca is a volunteer who served in refugee camps in Hera. Her own home became a camp!
- The catholic church was closed because of the crisis and many people started attending the Sidara church.







Crisis in Timor-Leste

- During that time, she discovered many disabled people in the community. Started ministering to the disabled.
- Shared vision to others and people helped to buy land beside the current house for the Disability centre.





Terence & I work closely with Branca, a volunteered nurse from an Australian NGO, who has lived among the community for 16 years, serving in the area of education, health and community development.











- a clinic
- birth delivery centre
- community farming
- a church
- Sunday school











1. Living condition of the villagers in Sidara

- There are 6 villages with around 225 families in this area.
- Most live in houses made from palm fronds, some live in concrete houses with zinc roofs. Most people have dirt floors, some who have income from work have cement floors. During the rainy season, rain water drips into some houses – poor/damaged roofing.
- The majority of homes are overcrowded, with sometimes up to 3 families living under one roof.
- General hygiene(washing hands, taking showers etc) is a major concern. Most people still rear their animals near/inside their home compounds, sometimes the animals enter into their kitchens.





- 15 years ago when Branca visited the community where the water source is, she found out that many children were dying from diarrhoea, from the contaminated water source.
- She then started a water project in that community to protect the water source

 fencing it up, covering it and piping the water to the homes. Lives started improving as the water quality improved.
- 4 years ago, Branca visited the water source and found that there wasn't maintenance done and most of the covering/protection for the water source was destroyed. Many have diarrhoea and water related sicknesses now because they have been drinking from a dirty water source directly. There are also skin problems related to a contaminated water source

2. Water quality and supply

- There is no running water in the homes.
- Limited water source from the mountains.
- Contaminated water source from nearby river during occasion rain season













Huge water shortage tank cost USD500/each



SPONSORSHIP FUND RECEIVED (as of 20 Feb 2019)

Name	Company	Amount
Mr B Gurumurthy	Landscape Engineering Pte Ltd	SGD 5,000.00
Mr James Lim & Ms May Choo	Uniseal Global Pte Ltd	SGD 5,000.00
Mr Tay Kerk Khong	_	SGD 2,000.00
Mr Siah Hung Wee	CPC Construction Pte Ltd	SGD 2,000.00
Mr Cheong Yow Kin	-	SGD 1,000.00
Mr Eng Lam Goh	BNL Services Pte Ltd	SGD 1,000.00
Mr Jason Sim	Playpoint (Singapore) Pte Ltd	SGD 1,000.00
Mr Eng Tok Ching Kenny	Nyee Phoe Flower Garden Pte Ltd	SGD 1,000.00
Mr Eng Tok Ching Kenny	Gardenasia Pte Ltd	SGD 1,000.00
Mr Kenny Tan	LINK (THM) GROUP	SGD 1,000.00
Mr See Hwa Neo	TENarchitects	SGD 1,000.00
Mr Simon Kong	SD ARCHITECTS & ASSOCIATES PTE LTD	SGD 1,000.00
Mr Terence Tan How Moh	Greenearth Landscape Designers & Planners	SGD 1,000.00
Mr Kenneth Tong	De Electrical	SGD 1,000.00
Mr Damian Tang	_	SGD 1,000.00
TOTAL		SGD25,000.00

Additional contribution		
Mr Damian Tang	_Up to SGD _2,000.00	to cover flight, accommodation and on-site management & supervision; personal contribution
Mr Terence Tan	_Up to SGD _2,000.00	to cover flight, accommodation and on-site management & supervision; personal contribution
Mr See Onn Yeow	-USD 500.00	to cover additional tank cost and surface piping works; personal contribution
Mr Lim Kok How	-SGD 100.00	to cover farming basic tools, seeds and supplies; personal contribution

More than SGD 25,000.00 raised for the project!

Project Anchor Sponsor:

Landscape Engineering Pte Ltd

Uniseal Global Pte Ltd.

Phase 1 - CONTRACT SIGNED WITH H2O Australian water boring company

(on 22 Feb 2019)



Contract Agreement

Drilling & Construction of 1x Deep Well and Supply and Installation of Well Pump System

PREAMBLE

This Contract is made this 19th of February, 2019 between International Federation of Landscape Architects (IFLA)-Asia Pacific Region (herein after referred as CLIENT) on one part and H2O PUMP & POWER (herein after referred as CONTRACTOR).

WHEREAS the Client intends to drill 1x deep well and supply and install one x set well pump system at Sidara Sisters' Site, in Hera, Timor Leste as per Quotation dated 29/10/2018.

AND WHEREAS the Contractor has agreed to undertake said works subject to the terms and conditions hereunder.

GENERAL OBLIGATIONS

Working Relationship

The Client and Contractor shall work together in a spirit of co-operation and goodwill with the aim of completing the work in a timely manner, to the appropriate standard and to the benefit of all parties involved.

Contractors General Responsibilities

The Contractor shall with due care and diligence carry out and complete the works in accordance with the provisions of the Contract. The Contractor will supply all necessary tools, machinery, materials (including screens and plain casings) and labour to carry out the work, unless specified otherwise in the Contract.

Upon completion of the works the Contractor shall remove from the site all equipment, tools, surplus materials. rubbish and temporary works and shall have the site clean and in a condition to the satisfaction of the Client.

Client General Responsibilities

The Client shall pay the Contractor the sum of money due to the Contractor in accordance with the provisions of the

TIME

Commencement of the Works

The Contractor shall commence the work on the 25th March 2019 - unless subject to special instructions from the

Completion of the Works

The whole of works should be completed within a time period of 2 weeks or such extended time as may be allowed under the Contract or agreed between the parties.

TOTAL CONTRACT VALUE

item	Description	Quantity	Rate (US\$)	Amount (US\$)
01	Mobilization-Demobilization. Preparation Services & Cleaning Up On Completion	Ť.	-	inclusive
01	Drilling Services Package (0-70m)	0-70m	1987	15,000.00
02	Supply & Install Well Pumping System	1 Set		Inclusive
	TOTAL CONTRACT VALUE			15,000.00

H2O - We Work On Water



Where the Contractor is instructed by the Client to drill to depths in excess of 70m then any additional cost will be at \$150.00 - per meter.

Payments under this contract cannot exceed the total contract value stated above without authorization from the Client

PAYMENT

First payment of 50% of Total Contract Value equal US\$7,500.00 is required upon the signing of contract. Second payment of 50% balance remaining of Total Contract Value equal US\$7,500.00 WIII be made upon completion of drilling construction & well pump installation work.

In the event of dry wells H2O cannot be responsible. These are risks associated with drilling, charge will be lump sum. of US\$10,000.00.

UNFORESEEN EVENTS OR CONDITIONS

Should any event or condition occur which could not have been foreseen by a Contractor and is out of the control of the Contractor, which causes delay and/or additional expenditure and/or renders the work impossible to perform then the Client and the Contractor will agree a suitable change to the Contract.

SIGNED FOR / ON BEHALF OF THE CLIENT

Damian Tang. Occupation: ...Project Lead.....

Address:

20 Bendemeer Road. BS Bendemeer Centre, #64-02, Singapore 339914

SIGNED FOR/ON BEHALF OF THE CONTRACTOR

Signature:

Name: DVI FOR LEGIN MERINGTON

DESERTIONS MANAGER

Address: H2O Compound Comore River Road Dilli. Timor Leste





TECHNICAL SPECIFICATION

1.1 SCOPE OF WORKS

The works comprises the drilling and construction of any water borohole in Hera. Timor Leste

12 DRILLING SITES

The Client will indicate to the Contractor the sites to be dilled, if necessary the Client may request the Contractor to carry out geophysical survey. The Chert will ensure that the communities have given any necessary permission for the use of the land where the chilling is to be cannot out. The Contractor will dear all debns, of any kind, and lanva the land as fer an it is gossible in its priginal condition (abs restoration) after the borehole has been constructed.

1.3 BORE STATEMENT RECORD

On completion of borehole the Contractor will supply to the Client a detailed bore statement composing a record of the appearance of the water, soil sample and rocks encountered, type and size of borehole casing, position type and size or screen, development activities and any other relevant construction details.

Bornhole will be drilled and completed according to the specifications provided in Contract and actual conditions found on site, using proper criting tools, drive pipes, temporary casings, casing pipes, gravet packs and sanitary protection. based on actual characteristics of equifier formations, which are considered unsuitable for exclosation of the

Proposed drilling method: Drill 6-1/2" hole fill hill the bedrook and install 6" steel casing into the hole, then continue with air trilling to drill 6' hole through the bedrock. Once the drilling is succeed the parehole will be equipped with the

- Machinery Stotted 4" UPVC Screen.
 4" Casing UPVC PN9 or PN12.
- Bentonite Seal.
- . Sanitary Seal and tapered cement statt

Barsha's drilling average depth expected to be from 50 meters to 76 meters.

The Contractor will use drilling equipment capable of drilling to a death of 50-70m as proposed by Driller.
If water of sufficient quartity of minimum 0.5 LPS (litre per-second) is not found then the borenote will be designated. as dry and the Contractor will backful it according to the drilling rules.

1.6 FORMATION SAMPLES

The Contractor will take at least one sample every 2 maters during the drilling and at every charge in formation and the Contractor will lines a record of soil strata

A properly stabilizing pack of size 3mm-5mm will be placed in the annual space between the whole wall and the outpr face of the casing according to the recommendation of Orillor.

1.8 GROUT SEAL AND BACKFILL

ntonite grout seal of minimum. Im length shall be placed above the gravel back. The annular space shall then be back filled with suitable inert material.

1.9 BOREHOLE DEVELOPMENT

The Contractor will develop the borehold by air-lift flushing or surging for a period of at least 4 hours. Prior to development the berefible will be sounded. Following development the berefield will again be sounded. Any sodiment

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which has settled in the borehole will be remored. If the sediment is more than 0.5m in depth this indicates a fault in the barehole construction. The Contractor will take any necessary steps to remedy the four

1.11 PROTECTION OF THE BOREHOLE DURING CONSTRUCTION

Maximum care shall be taken to avoid the physical, chemical, or beclariclogical contamination of the boruholo water during construction. If the borehole is contaminated due to Contractor's negligence, the Contractor will be obliged to remove the contaminant from the borehole at his own post

1.12 SANITARY PROTECTION SEAL

The entire borehole shall have a proper protective sanitary seal cest in concrete by the Contractor. The protective seal shall be placed minimum from 3.5m below ground level to 0.25m above ground and will occupy the scruder space between the whole wall and the cuter face of the casing,

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Phase 1 - SITE PREPARATION WORK commenced on 15 March 2019











Phase 1 - BORING WORK commenced on 21 March 2019









































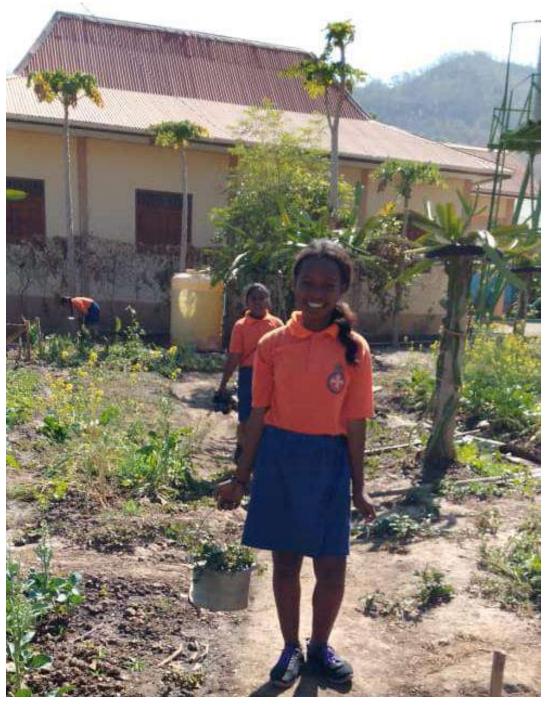






















USD 20,000 sponsorship
9 months completion
Playground sponsor by Playpoint
Logistic sponsor by PIL Shipping
2 Landscape Architects
1 Project Manager

More than 300 families and children benefitted!





SUSTAINABLE GALS





































Call for Resilience Building Fund for Project XX

Target USD xx,000

Objectives and Targets

- For drilling pipe well & water tanks
- Improvement of the small community farm & earthworks
- Stormwater management against flood during heavy rainfall (about 2x a year)
- Cultivate livelihood skills sets and learning from Landscape Architects

Target Sponsorship deadline by xx 2021

- All supporting companies and organisations will be acknowledged in IFLA Asia Pacific region newsletter.
- All proceeds go directly to the implementation cost without third party or agent cost.
- The project status will be updated regularly to the supporters.
- Denominations of minimum SGD1000 is appreciated
- Cheque made payable to <u>MCI Group Asia Pacific Pte Ltd</u>
- No administration charges by IFLA Asia Pacific region or third party