




<b>Town</b> Atauro	<b>No. &amp; Facility:</b> 05 - Tangke Cementeirio	<b>Year of Construction</b> 1998	<b>Financed by:</b> AusAID
<b>Existing Condition:</b> <i>Facility:</i> Service reservoir <i>Structure:</i> Concrete <i>Shape:</i> Rectangular <i>Dimension:</i> 2.5m x 3.5m x 2.3m <i>Capacity:</i> 15m <sup>3</sup> <i>Function:</i> Storage <i>Source of Water:</i> Tulai spring via Haronglerang Reservoir <i>Elevation (amsl):</i> <i>Accessories:</i> Inlet: GSP 1.5-inch Outlet: GSP 2-inch x 2		<b>Photograph:</b>  (Date: May 2000)	
<b>Evaluation:</b> In good working condition but the facility is not secured.			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> The reservoir must be well-secured to minimize water contamination.  2) <i>Civil Work:</i> Construction of security fence around the reservoir site.  3) <i>Piping work:</i> Installation of flow meter 50mm  4) <i>Mechanical work:</i> none  5) <i>Electrical work:</i> none  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$2,670		<b>Construction schedule:</b>  	
		<b>Priority:</b> B-2	

<b>Town</b> Atauro	<b>No. &amp; Facility:</b> 06 - Lebadoe Reservoir	<b>Year of Construction</b> 1998	<b>Financed by:</b> AusAID
<b>Existing Condition:</b> <i>Facility:</i> Service Reservoir <i>Structure:</i> Concrete <i>Shape:</i> Rectangular <i>Dimension:</i> 4.7m x 2.5m x 1.75m <i>Capacity:</i> 20m <sup>3</sup> <i>Function:</i> Storage <i>Source of Water:</i> Tulai and Ehrutar water sources <i>Elevation (amsl):</i> <i>Accessories:</i> Inlet: GSP 1-inch from Tulai via Tangke Cementerio GSP 3/4-inch from Ehrutar Outlet: Outlet: GSP 1-inch		<b>Photograph:</b>   (Date: May 2000 )	
<b>Evaluation:</b> Not in operation because no supply from sources. The reservoir site is not protected.			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> The reservoir site must be securely fenced to minimize the risk of contamination  2) <i>Civil Work:</i> Construction of security fence Installation of flow control and measuring devices  3) <i>Piping work:</i> none  4) <i>Mechanical work:</i> none  5) <i>Electrical work:</i> none  6) <i>Miscellaneous:</i> Installation of chlorine-dosing facilities			
<b>Estimated cost:</b> US\$5,847		<b>Construction schedule:</b>	<b>Priority:</b> B-2


<b>Town</b> Atauro	<b>No. &amp; Facility:</b> 07 - Proposed Lebadoe 2	<b>Year of Construction</b>	<b>Financed by:</b>
<b>Existing Condition:</b>		<b>Photograph:</b>	
<p><b>Evaluation:</b></p> <p>With the proposed rehabilitation plan, the existing Lebadoe Reservoir will be insufficient for the Beloi service area.</p>			
<p><b>Rehabilitation Plan:</b></p> <p>1) <i>Basic Consideration:</i> The construction of an additional reservoir will be necessary to augment the existing reservoir.</p> <p>2) <i>Civil Work:</i> Construction of concrete reservoir with volume = 30 m<sup>3</sup>, including the necessary appurtenances Construction of security fence. Installation of water level gauge</p> <p>3) <i>Piping work:</i> Installation of pipeline (inlet &amp; outlet) to interconnect with the existing, including flow control and measuring devices</p> <p>4) <i>Mechanical work:</i> none</p> <p>5) <i>Electrical work:</i> none</p> <p>6) <i>Miscellaneous:</i> none</p>			
<b>Estimated cost:</b> US\$14,069		<b>Construction schedule:</b>	<b>Priority:</b> B-2

<b>Town</b>	<b>No. &amp; Facility:</b>	<b>Year of Construction</b>	<b>Financed by:</b>
Atauro	08 - Transmission Main		
<b>Existing Condition:</b>		<b>Photograph:</b>	
Facility: Transmission main Diameter: GSP 2 inch x 1inch Length: 5km Function: water transmission from Tangke Cementerio to Lebadoe Accessories: none			
		(Date: )	
<b>Evaluation:</b>			
The existing transmission main is insufficient.			
The pipeline are not properly constructed resulting to damages.			
<b>Rehabilitation Plan:</b>			
1) Basic Consideration:			
The existing transmission main must be upgraded or replaced with bigger diameter to carry the expected increase in water flow.			
The pipeline must be properly constructed with adequate protection to minimize damage.			
2) Civil Work:			
Construction of pipe crossing and concrete abutments			
3) Piping work:			
Installation of 75mm x 4 km pipeline including the necessary appurtenances			
4) Mechanical work: none			
5) Electrical work: none			
6) Miscellaneous: none			
<b>Estimated cost:</b>		<b>Construction schedule:</b>	<b>Priority:</b>
US\$73,010			B-1


<b>Town</b> Manatuto	<b>No. &amp; Facility:</b> 01 - Saututum Reservoir	<b>Year of Construction</b>	<b>Financed by:</b>
<b>Existing Condition:</b> <i>Facility:</i> Service reservoir <i>Structure:</i> Reinforced concrete <i>Shape:</i> Rectangular <i>Dimension:</i> 9m x 9m x 4.5m <i>Capacity:</i> 200m <sup>3</sup> <i>Function:</i> Storage <i>Source of Water:</i> Manatuto spring <i>Elevation (amsl):</i> <i>Accessories:</i> Inlet: 6-inch from spring source 3-inch from abandoned well Outlet: GSP 8-inch and 4-inch Valves and ventilation Chlorine-dosing equipment		<b>Photograph:</b>  (Date: )	
<b>Evaluation:</b> Not in operation due to the damages on the transmission main			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration</i> The expected increase in water demand will make this reservoir insufficient to store water An additional reservoir will be necessary  2) <i>Civil Work:</i> Repair of the staff house  3) <i>Piping work:</i> none  4) <i>Mechanical work:</i> none  5) <i>Electrical work:</i> none  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$3,000		<b>Construction schedule:</b> Priority: C-2	


<b>Town</b> Manatuto	<b>No. &amp; Facility:</b> 02 - Proposed Saututum 2	<b>Year of Construction</b>	<b>Financed by:</b>
<b>Existing Condition:</b>		<b>Photograph:</b>	
<p><b>Evaluation:</b></p> <p>The storage capacity of the existing reservoir (Saututum) will be insufficient to meet the requirement in 2003.</p>			
<p><b>Rehabilitation Plan:</b></p> <p>1) <i>Basic Consideration</i> Construction of this additional reservoir will be necessary to supplement the expected storage deficit in 2003. It is viable to construct the proposed reservoir on the same location to allow gravity flow of water to the service area.</p> <p>2) <i>Civil Work:</i> Construction of a service reservoir with capacity of 330 m<sup>3</sup> including the necessary appurtenances.</p> <p>3) <i>Piping work:</i> Pipe realignment and interconnection of 200mm pipe to the existing distribution network and service reservoir. Installation of flow meter and controller, air release valves and gate valves.</p> <p>4) <i>Mechanical work:</i> none</p> <p>5) <i>Electrical work:</i> none</p> <p>6) <i>Miscellaneous:</i> none</p>			
<b>Estimated cost:</b> US\$41,014		<b>Construction schedule:</b>	<b>Priority:</b> C-2


[illegible]


Town	No. & Facility:	Year of Construction	Financed by:
Baucau	01- Spring Intake & Pumping Station No.1 @Wailia	Initially 1966-67	Portugal
<b>Existing Condition:</b> <i>Facility:</i> Spring Intake & Pumping Station <i>Function:</i> Pumps water to Wainiki Pumping Station and Lamegua Reservoir <i>Source of Water:</i> Spring @ Wailia <i>Elevation (amsl):</i> <i>Accessories:</i> Centrifugal pumps: 0.34m3/min x 84m - 15kw x 2 sets to the Reservoir No.1, Centrifugal pumps: 0.75m3/min x 100m - 18.5kw x 2 sets to the Booster pumping station Main Power Switch panel Generator x 2 Fuel Tank Pump Panel x 4		<b>Photograph:</b>  <div>(Date: October 2000)</div>	
<b>Evaluation:</b> The existing pumping facilities and generator sets appeared to had lapsed their economic life. One of the generator sets is not operational. Refurbishment of the pumping facilities is currently on-going.			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration</i> Replacement of the existing pumping facilities and generator sets is the most viable alternative.  2) <i>Civil Work:</i> Improvement of the intake facilities including the construction of the collection chamber and intake pipe.  3) <i>Piping work:</i> none  4) <i>Mechanical work:</i> Installation of centrifugal pumps: 0.34m3/min x 84m - 15kw x 2 sets (1 duty & 1 standby) Installation of centrifugal pumps: 0.75m3/min x 100m -18.5kw x 2 sets (1 duty & 1 standby)  5) <i>Electrical work:</i> Watt-hour Meter Box x 1set                      Fuel Tank 340L x 1set Main Power Switch Panel x 1set              Pump Control Board x 1set Generator Set 75kVA x 1set  6) <i>Miscellaneous:</i> Chlorine dosage equipment: a mixing tank with mixer, dosing pumps Provision of radio transceiver sets for operation			
<b>Estimated cost:</b> US\$143,091		<b>Construction schedule:</b>	<b>Priority:</b> B-2




<b>Town</b>  Baucau	<b>No. &amp; Facility:</b> 02 - Pumping Station No.2 @Wainiki (Booster Pump)	<b>Year of Construction</b>  1992	<b>Financed by:</b>  PRI
<b>Existing Condition:</b> <i>Function:</i> Supplies water up to the main reservoir @ Adarai through booster pumps <i>Source of Water:</i> Spring via Pumping Station No.1 <i>Ground level (amsl):</i> <i>Accessories:</i> Centrifugal pumps: 0.75m3/min x 100m - 18.5kw x 2 sets Main Power Switch panel Generator x 2 Fuel Tank Pump Panel x 4		<b>Photograph:</b>  <div>(Date: October 2000)</div>	
<b>Evaluation:</b> Minor rehabilitation work is required on the intake structure. It is economically viable to replace the pumping and electrical facilities. The pumping station is newly refurbished.			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration</i> Replacement of the existing pumping facilities and generator set is the most viable alternative.  2) <i>Civil Work:</i> Construction of the security fence.  3) <i>Piping work:</i> none  4) <i>Mechanical work:</i> Repair of leak on the delivery main Installation of centrifugal pumps: 0.75m3/min x 100m - 18.5kw x 2 sets  5) <i>Electrical work:</i> Watt-hour Meter Box x 1set Main Power Switch Panel x 1set Generator Set 75kVA x 1set Fuel Tank 340L x 1set Pump Control Board x 1set  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b>  US\$79,400		<b>Construction schedule:</b>	<b>Priority:</b>  B-2

<b>Town</b> Baucau	<b>No. &amp; Facility:</b> 03 - Pumping Station No.3 and Reservoir @Lamegua	<b>Year of Construction</b> 1988	<b>Financed by:</b>
<b>Existing Condition:</b> <i>Facility:</i> Pumping station and service reservoir <i>Elevation (amsl):</i> <i>Source of Water:</i> Spring via Pumping Station No. 1 <i>Function:</i> For storage and to supply water to high elevation including Tirilolo reservoir <i>Pumping Station:</i> Pumps: 0.34m3/min - 2 sets (missing) Generator x 2: broken Fuel Tank x 2 Pump Panel x 2 <i>Service Reservoir:</i> Structure: Reinforced concrete Volume: 50 m <sup>3</sup> Accessories:		<b>Photograph:</b> 	
<b>Evaluation:</b> The pumping facilities were removed and the generator set heavily damaged Water pumps into the reservoir is distributed by gravity			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> The pumping facilities and generator set need to be replaced with new ones.  2) <i>Civil Work:</i> Refurbishment of the pumping station to include doors, appropriate lighting, ventilation and security fence. Installation of water level gauge  3) <i>Piping work:</i> Installation of flow meter and control valves including appropriate pipe works.  4) <i>Mechanical work:</i> Installation of submersible pumps: 0.34m3/min x 80m - 2 sets  5) <i>Electrical work:</i> Main Power Switch Panel x 1set      Fuel Tank x 1set Generator Set x 1set      Pump Control Board x 1set  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$89,233		<b>Construction schedule:</b>	
		<b>Priority:</b> B-1	


<b>Town</b> Baucau	<b>No. &amp; Facility:</b> 04 - Main Reservoir @ Adarai	<b>Year of Construction</b> 1992, 1995	<b>Financed by:</b> PRI
<b>Existing Condition:</b> <i>Facility:</i> Service Reservoir x 2 units <i>Structure:</i> Reinforced concrete <i>Shape:</i> Rectangular <i>Volume:</i> $100 \text{ m}^3 + 250 \text{ m}^3 = 350 \text{ m}^3$ <i>Function:</i> For storage and to supply water by gravity to the reservoirs at Tirilolo and Samadiga <i>Source of Water:</i> Spring via pumps @ Wailia and Wainiki <i>Elevation (amsl):</i> <i>Accessories:</i> Inlet: GSP 8-inch Outlet: GSP 6-inch Water level gauge Ventilation Drain and overflow		<b>Photograph:</b> 	
		(Date: )	
<b>Evaluation:</b> In working condition Lacks routine maintenance Needs flow meter and control valves			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration</i> Chlorination is necessary prior to distribution of water.  2) <i>Civil Work:</i> none  3) <i>Piping work:</i> Installation of flow meter and control valves dia. 6-inch  4) <i>Mechanical work:</i> none  5) <i>Electrical work:</i> none  6) <i>Miscellaneous:</i> Installation of chlorine-dosing facilities x 2 sets			
<b>Estimated cost:</b> US\$10,822		<b>Construction schedule:</b> 	
		<b>Priority:</b> B-2	


<b>Town</b> Baucau	<b>No. &amp; Facility:</b> 05 - Tirilolo Reservoir and Transmission Main	<b>Year of Construction</b> 1988	<b>Financed by:</b> PRI
<b>Existing Condition:</b> <i>Facility:</i> Service reservoir <i>Structure:</i> Reinforced concrete <i>Shape:</i> Rectangular <i>Dimension:</i> <i>Capacity:</i> 50m <sup>3</sup> <i>Function:</i> Storage <i>Source of Water:</i> Lamegua Reservoir + Main reservoir <i>Ground level (amsl):</i> <i>Accessories:</i> inlet (3 inch GSP), outlet (3 inch GSP) Inlet: GSP 4-inch + 3-inch Outlet: GSP 3-inch Ventilation Drain and overflow		<b>Photograph:</b> 	
<b>Evaluation:</b> No supply of water from source Transmission main installation from Lamegua not completed			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> To activate this reservoir requires the completion of the transmission main from Lamegua.  2) <i>Civil Work:</i> Installation of security fence  3) <i>Piping work:</i> Installation of flow meter and control valves at outlet Installation of 75mm x 1.0 km transmission main including gate valves, blow-off and air-release valves 4) <i>Mechanical work:</i> none  5) <i>Electrical work:</i> none  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$21,951		<b>Construction schedule:</b>	<b>Priority:</b> B-2

<b>Town</b> Baucau	<b>No. &amp; Facility:</b> 06 - Samadiga Reservoir	<b>Year of Construction</b> 1988	<b>Financed by:</b> PRI
<b>Existing Condition:</b> <i>Facility:</i> Service reservoir <i>Structure:</i> Reinforced concrete <i>Shape:</i> Rectangular <i>Dimension:</i> <i>Capacity:</i> 50m <sup>3</sup> <i>Function:</i> Storage <i>Source of Water:</i> Main Reservoir @ Adarai <i>Elevation (amsl):</i> <i>Accessories:</i> Inlet: GSP 3-inch Outlet: GSP 3-inch		<b>Photograph:</b> 	
		(Date: )	
<b>Evaluation:</b> Not in operation due to limited supply from source and damage of the transmission lines.			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> To activate this reservoir requires repair of the transmission lines. The reservoir must be securely fenced.  2) <i>Civil Work:</i> Installation of security fence Installation of water level gauge  3) <i>Piping work:</i> Flow meter and controller installation  4) <i>Mechanical work:</i> none  5) <i>Electrical work:</i> none  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$5,251		<b>Construction schedule:</b>	<b>Priority:</b> B-2

<b>Town</b> Baucau	<b>No. &amp; Facility:</b> 07 - Proposed Reservoir + Transmission Main	<b>Year of Construction</b>	<b>Financed by:</b>
<b>Existing Condition:</b>		<b>Photograph:</b>	
<p><b>Evaluation:</b></p> <p>The existing reservoir will be insufficient for the year 2003</p>			
<p><b>Rehabilitation Plan:</b></p> <p>1) <i>Basic Consideration:</i></p> <p>The storage deficit will be rectified by the construction of additional reservoir including transmission and distribution pipelines.</p> <p>2) <i>Civil Work:</i></p> <p>Construction of storage reservoir with the capacity of 100 m<sup>3</sup> including the necessary appurtenances. Construction of security fence</p> <p>3) <i>Piping work:</i></p> <p>Flow meter and controller installation Installation of transmission main 150mm x 0.5km, partly from the proposed reservoir to Samadiga Res.</p> <p>4) <i>Mechanical work:</i> none</p> <p>5) <i>Electrical work:</i> none</p> <p>6) <i>Miscellaneous:</i> none</p>			
<b>Estimated cost:</b> US\$24,622		<b>Construction schedule:</b>	<b>Priority:</b> B-1




<b>Town</b> Los Palos	<b>No. &amp; Facility:</b> 01 - Pumping Station # 1 @ Kauto (along the main road)	<b>Year of Construction</b> 1986	<b>Financed by:</b> PRI
<b>Existing Condition:</b> <i>Facility:</i> Pumping Station <i>Function:</i> Pumps untreated water to the service area <i>Pump capacity:</i> 0.6m <sup>3</sup> /min x 15kw - 2 sets <i>Type of pump:</i> centrifugal <i>Ground level (amsl):</i> <i>Accessories:</i> Generator x 2 Fuel Tank Pump Panel Water collection chamber		<b>Photograph:</b>  <div>(Date: May 2000)</div>	
<b>Evaluation:</b> The pumps and generator although operational had lapsed their economic life.			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> This pumping station will serve as stand-by once the WTP and elevated water reservoir becomes operational It is economically viable to replace the existing facilities with new one.  2) <i>Civil Work:</i> none  3) <i>Piping work:</i> Installation of flow meter and control valve  4) <i>Mechanical work:</i> Pump replacement with the following specifications: Type: Centrifugal Capacity: 1.0m <sup>3</sup> /min x H40m x 16kw - 2 sets  5) <i>Electrical work:</i> Watt-hour Meter Box x1set Main Power Switch Panel x1set Generator Set 62.5kVA x1set Fuel Tank 280L x1set Pump Control Board x1set  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$74,912		<b>Construction schedule:</b>	<b>Priority:</b> A-2

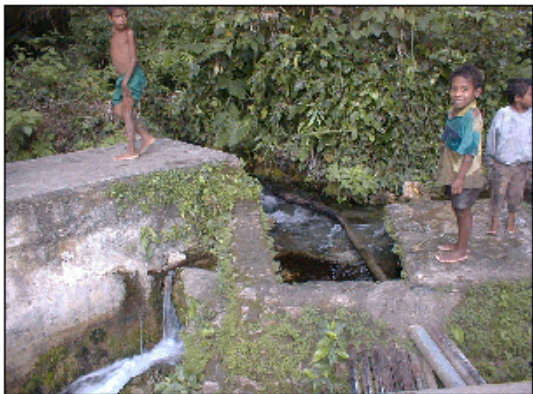
<b>Town</b> Los Palos	<b>No. &amp; Facility:</b> 02 - Pumping Station No.2 (Papapa WTP site)	<b>Year of Construction</b> 1998	<b>Financed by:</b> PRI
<b>Existing Condition:</b> <i>Facility:</i> Raw and treated water pumping station <i>Function:</i> To pump raw water to the WTP for treatment To pump treated water to elevated reservoir <i>Type of pump:</i> Centrifugal <i>Ground level (amsl):</i> <i>Source of Water:</i> Raw water: Spring water to WTP Treated water: WTP water to elevated reservoir <i>Accessories:</i> Generator set - show traces of removal Control panel - show traces of removal		<b>Photograph:</b>  <div style="text-align: right;">(Date: Oct 2000)</div>	
<b>Evaluation:</b> This pumping station is heavily damaged. The pump motors and generator set were removed and only traces are left for other equipment. It requires total replacement of the mechanical and electrical facilities and refurbishment of the pump house.			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> It is technically and economically viable to install new pumping facilities and generator set. The pump house needs to be refurbished.  2) <i>Civil Work/Architectural:</i> Refurbishment of the pump house. Construction of the security fence  3) <i>Piping work:</i> Installation of water meter and control valves including the necessary pipeline  4) <i>Mechanical work:</i> Installation of the following pumping facilities: Raw water: 1.4 m <sup>3</sup> /min x H 4.0 m x 20 kW - 2 sets Treated water: 2.1 m <sup>3</sup> /min x H 48 m x 30 kW - 2 sets  5) <i>Electrical work:</i> Watt-hour Meter Box x1set                      Fuel Tank 650L x1set Main Power Switch Panel x1set                Pump Control Board x1set Generator Set 150kVA x1set 6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$158,049		<b>Construction schedule:</b>	
		<b>Priority:</b> A-1	



[illegible]

<b>Town</b> Los Palos	<b>No. &amp; Facility:</b> 04 - Elevated Tank	<b>Year of Construction</b> 1998	<b>Financed by:</b> PRI
<b>Existing Condition:</b> <i>Facility:</i> Service reservoir <i>Structure:</i> Reinforced concrete <i>Shape:</i> Rectangular <i>Dimension:</i> 8.0m x 9.0m x 3.0m <i>Capacity:</i> 210 m <sup>3</sup> <i>Function:</i> Storage <i>Source of Water:</i> WTP via Pumping Station No. 2 <i>Tank height:</i> 15m above the ground <i>Accessories:</i> Inlet: GSP 8-inch Outlet: 10-inch Overflow & drain: GSP 8-inch Ventilation & ladder <i>Ground Elevation (amsl):</i>		<b>Photograph:</b> 	
		(Date: Oct 2000)	
<b>Evaluation:</b> The tank is structurally safe and could be activated once the WTP and Pumping Station No. 2 becomes operational Routine maintenance should be carried out prior to activation			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i>  2) <i>Civil Work:</i> none Installation of water level gauge  3) <i>Piping work:</i> Flow meter and controller installation  4) <i>Mechanical work:</i> none  5) <i>Electrical work:</i> none  6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$7,314		<b>Construction schedule:</b>	
		<b>Priority:</b> A-2	

<b>Town</b> Los Palos	<b>No. &amp; Facility:</b> 05 - Proposed Distribution Main	<b>Year of Construction</b>	<b>Financed by:</b>
<b>Existing Condition:</b>		<b>Photograph:</b>	
<p><b>Evaluation:</b></p> <p>The existing distribution main will be insufficient for the design year 2003.</p>			
<p><b>Rehabilitation Plan:</b></p> <p>1) <i>Basic Consideration</i> The existing distribution main needs to be augmented to meet the increase in water production and water demand</p> <p>2) <i>Civil Work:</i> Construction of 1 pipe crossing including concrete abutments.</p> <p>3) <i>Piping work:</i> Installation of 250mm x 500 m; 200mm x 4.5 km including the necessary valves, air release, and blow-offs.</p> <p>4) <i>Mechanical work:</i> none</p> <p>5) <i>Electrical work:</i> none</p> <p>6) <i>Miscellaneous:</i> none</p>			
<b>Estimated cost:</b> US\$350,010		<b>Construction schedule:</b>	<b>Priority:</b> A-1

<b>Town</b> Viqueque	<b>No. &amp; Facility:</b> 01 - Loihunu Spring (Builua)	<b>Year of Construction</b> Initially 1967	<b>Financed by:</b> Portugal
<b>Existing Condition:</b> <i>Facility:</i> Intake structures - Raw water channel (stone masonry) and collecting chamber (concrete)  <i>Dimension:</i> <i>Capacity:</i> 30L/sec - 40 L/sec <i>Function:</i> Raw water intake <i>Source of Water:</i> Loihunu spring <i>Ground level (amsl):</i> <i>Accessories:</i> Intake: GSP 3-inch Outlet: GSP 6-inch		<b>Photograph:</b>   (Date: April 2000)	
<b>Evaluation:</b> Lacks routine maintenance The risk of possible water contamination is high			
<b>Rehabilitation Plan:</b> 1) <i>Basic Consideration:</i> Routine maintenance on this facility must be enhanced to maintain the water quality The entire intake area must be well protected by the construction of security fence to restrict human and animal entry.  2) <i>Civil Work:</i> Construction of security fence          3) <i>Piping work:</i> Installation of flow meters and controllers 150mm          4) <i>Mechanical work:</i> none          5) <i>Electrical work:</i> none          6) <i>Miscellaneous:</i> none			
<b>Estimated cost:</b> US\$6,622		<b>Construction schedule:</b>	<b>Priority:</b> B-2