

31 December 2014

Fresh Water Supply. Coastal Protection. OUR Future

KAPIII Quarterly Newsletter

Nooto and Tabonibara Land Owners Sign Agreement



Land owner from Tabonibara signs off on the voluntary land agreement for the use of her land for infiltration galleries.

The KAPIII community engagement team has done a fantastic job in getting land owners to grasp the importance of infiltration galleries to be put up on their lands in the two villages of Tabonibara and Nooto.

Landowners in Nooto and Tabonibara villages willingly signed off an agreement for the voluntary use of their lands for the water infiltration galleries on Saturday, 25 October 2014.

The signing was witnessed by the Australian High Commissioner to Kiribati

HE. Mr. “Australia, as a development partner, recognizes the importance of assisting your government to improve sustainable access to freshwater, and so we are pleased to support the third phase of the Kiribati Adaptation Project which aims to improve resilience to the impacts of climate change on fresh water supply.” He added.

George Fraser, Finance Minister Hon. Tom Murdoch and the Minister for Commerce Hon. Pinto Katia.

To safeguard the endangered fresh water from the effects of climate change and as part of an adaptation measure KAPIII will be funding the two infiltration galleries, which will provide the people of Nooto and Tabonibara villages with fresh clean water to drink from in relation to climate change and salt water intrusion.

Acknowledging the generosity made by the landowners, The Australian High Commissioner to Kiribati in his speech said. “Your permis-

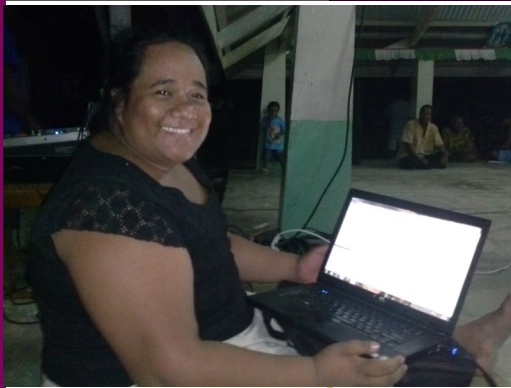
sion to use this land for the galleries will be a key legacy from you to future generations, and one that will help improve your own livelihoods, those of your family, friends and community.”

“The signing that we have seen today signifies a major landmark in the progressive development of the project. It gives us a strong feeling that the project will surely be accomplished in the not distant future.” North Tarawa Mayor, Harry Tekaiti.

Construction of the galleries will start tentatively in the beginning of 2015.

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Claire Anterea prepares for Site 2 community consultation at Nanikaai Catholic Maneaba.

KAPIII Coastal Protection on South Tarawa

Through the project KAPIII, three sites for coastal protection will be implemented

by MPWU

primarily through local contracting while the other two sites will be funded by KAPIII but constructed through the Road's Project.

The three sites to be contracted locally are Site 2 (between Teaoraereke and Nanikaai opposite the landfill) where a seawall wall will be put in place.

Site 4 at Antebuka village and Site 6 at Korobu, the coastal protection approach will be a mix of soft and hard approach; that is Beach nourishment.

Sites 1 at Bairiki/Nanikai causeway and Site 5 at Ambo/Taborio causeway, the coastal protection approach will be similar to seawalls but on temporary measure and will be constructed by the Kiribati Road Rehabilitation Project.

Community consultation had been undertaken for all sites.

KAPIII Joins Hand Washing Celebrations



Saint John Primary perform the handwashing Dance at Bairiki Square during handwashing day.

Kiribati joined hands with over 200 million people in over 100 countries around the world to celebrate Global Hand Washing Day with the theme 'Clean Hands Save Lives.'

The event was held in Bairiki Square with fun events ranging from games to children drama shows and sing-

ing as well as the loved puppet show.

Hand washing with soap is the most effective & inexpensive way to prevent diarrheal & acute respiratory infections, which take the lives of millions of children in developing countries. Together, they are responsible for the majority of all child deaths. Yet, despite its life-saving potential, handwashing with soap is seldom practiced and difficult to promote.

Turning handwashing with soap before eating and after using the toilet into an ingrained habit could save

more lives than any single vaccine or medical intervention

Global Hand Washing Day celebrations was organized in a joint effort by the Ministry of Health and Medical Services (MHMS), Ministry of Public Works and Utilities (MPWU), Ministry of Environment, Lands and Agricultural Development, Ministry of Education, Office of Te Beretitenti, Red Cross, Water and Sanitation Projects, KIRIWATSAN I, Kiribati Adaptation Program – Phase III (KAPIII), SPC- EU GCCA: PSIS and the South Tarawa Sanitation Improvement Sector Project (STSISP).

Leakage detection Posch and Partners



prove water resource use and management on South Tarawa's water transmission main.

The company is specialized on

Evire Banririe from KAPIII and PUB perform leak detection works in Bikenibeu.

The Public Utilities Board (PUB) through the Kiribati Adaptation Program – Phase III (KAPIII) is now working with Posch and Partners Consulting Engineers (P&P) to do leak detection works, to im-

prove water resource use and management on South Tarawa's water transmission main. The company is specialized on water, energy and environmental projects and provides consulting services, designs and construction supervision.

P&P will lead the implementation of leak detection and pipe network repair/minor upgrade activities on the PUB water supply network in Betio and South Tarawa; implement

improved public water distribution systems in selected pilot South Tarawa communities and to build the PUB's capacity in leak detection, repair, and planning/managing programs of leak investigation and leak reduction.

Although it is still premature to provide results, Mr Skerjanz the leak detection expert from P&P said that after completing the works on the transmission main, activities will be extended to the reticulation system where he expects a lot more leakages.

Mr Kautuna Kaitara, Program Manager for KAPIII said that reducing leakage is a key priority for the Government of

Kiribati which in order to address the supply/needs of approximately 50% of national population residing in South Tarawa.

In 2000 a World Bank-funded study estimated that in the absence of adaptation the combined effect of sea level rise, changes in rainfall and higher temperatures could result in a decline of 19-38% in the thickness of the main groundwater lens in Tarawa and inundation of up to 54% of land in some villages in South Tarawa and up to 80% in some villages in North Tarawa by 2050.

MOU for Rain Water Harvesting in N.Tarawa



number of Church and Community Mwaneaba's on Tabonibara, Tearinibai, Nuatabu and Taratai. Consultations are still being carried out for the rainwater harvesting systems which

communities will develop their guidelines on the use of the rainwater as a community.

Taratai villagers hold a workshop to form a committee to look after the systems.

KAPIII project will be installing rainwater harvesting facilities on a

the provision of rainwater harvesting (RWH) in North Tarawa is primarily aimed at trying to provide a reserve water supply for drought times, rather than an additional water supply for general use.

Thus rainwater systems will be retrofitted on existing community buildings, but the systems are to be owned and maintained by the village, rather than the

Church, and the water is to be conserved for times when the wells go brackish.

A memorandum of understanding (MoU) has been signed between the churches and the village. Further consultations will be setting up a committee to look after the systems in each village.

Construction will start next year 2015.



Wrapping up at the end of the mid term review.

KAPIII mid term review a success

The Government of Kiribati, The World Bank Team together with the Department of Foreign Affairs and Trade (DFAT – Australia) conducted a Mid-Term Review on the Kiribati Adaptation Program Phase – III (KAPIII) from 30 Oct to 6 Nov 2014.

Consultations was carried out with major key stakeholders like the Office of Te Beretitenti, Ministry of Public Works and Utilities, Ministry of Environment Lands and Agricultural Development, Ministry of Internal Affairs, Ministry of Finance and Economic Development, Public Utilities Board and others.

KAPIII was implemented since March 2012 and it has been two and half years since its official commencement date.

The mission highlighted some of the achievements which included the substantial implementation of the leak measurement and detection program on the PUB transmission main, confirming locations for the abstraction galleries that witnessed land owners sign the voluntary land use agreement in North Tarawa, completed designs for rainwater harvesting systems based on community consultations, engagement of a Water Governance advisor assisting the GoK Task

Force to address issues on both Bonriki and Buota Water Reserve to name a few.

One of the many positive outcomes of the mission was that the Government of Kiribati has confirmed its determination to complete the project on time (i.e. through 31 August 2016) and within budget. It also endorsed strengthening the management to undertake the large remaining tasks, including completing the seawalls, leak repairs, rain water harvesting and abstraction galleries using local contractors. Overall the outcome of the KAPIII mid-term review had been productive.

KAPIII Team wish you a prosperous 2015!



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**Kiribati Adaptation Program - Phase III
(KAPIII)**

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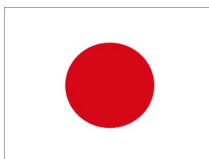


Our Freshwater projects:

- Rainwater Harvesting
- Groundwater abstraction
- Leak detection & repair

Our Coastal Protection projects:

- Mangrove planting
- Seawall construction



GFDRR
Global Facility for Disaster Reduction and Recovery

