

31st March 2017

**To
General Manager,
Tweed Shire Council and,
Tweed Kenya Mentoring Program Committee**

Dear Troy and TKMP Committee Members.

TKMP Siaya on behalf of Siaya Community and Kenya would like to convey our best wishes and solidarity with good people of Tweed Shire Council NSW and Australia following recent catastrophic flooding. We pray that you may be blessed with strength and perseverance as rebuild your community.

Olita Ogonjo

RE: Feb and Mar 2016 Program Report/Budget April to June 2017.

1. Introduction

This Feb-Mar 2017 TKMP PMP progress report highlights activities taking place in the period, and a budget request for April to June 2017. The major activity-taking place in the period was Tinga Dam Rehab also completed in the period during which Greg Jones from Tweed Shire Council traveled to help with completion of dam rehab works and visit TKMP projects. In the period we had community meetings taking place, as well as repairs/maintenance works of Manyasi and Ochilo SWPs. Gona and Tinga SWPs were closed in the period either due to drought and/or dam rehabilitation works. Section 6 of this report highlights SWP revenue collected and banked the period. There was little or no safe water supplied/revenue collected and banked by Tinga and Gona in Feb-Mar 2017.

The area continued to experience dry spell in Feb and most part of March. There were some rains on 26th March – one single down pour on that Sunday night that eventually filled up Tinga (rehabilitation completed a day before it rained), and also recharged Gona, Manyasi and Ochilo. Tinga dam now filled with water poses safety risks to the community thus the need for fencing and cattle trough.

The conduct of planned activities during the period was as follows:

2. Tinga Dam Rehabilitation

Following final Tinga dam survey drawing report Feb 2017, TKMP contracted Moko Tech to undertake Tinga Dam desilting and rehabilitation specially to:

- Excavation of 16 cubic meters of materials from the dams;
- Build and reinforce/compact dam walls;
- Repair/build spillway; and,
- Excavate existing silt trap.

Details of dimensions are provided in the Tinga dam survey, Moko Tech quotation and contract documents.

A contract was signed at Tinga dam site involving Tinga dam committee, Moko Tech and TKMP PMP Siaya (representing TKMP) on 27th Feb 2017. The contract fee was KES 3,647,340/- where Moko Tech received initial 50% and had started works 1st March 2017. The main challenge facing the project was its completion ahead of the long rains that were expected to start at anytime. Early on, before start of excavation works, we had one major down pour on the 25th Feb 2017 that inundated the site. The contractor mobilized both dozer and excavator for the works, and later brought in three lorries to help move the wet silt load. The excavation works lasted 17days with contractor finally demobilizing from the site 16th March 2017 just hours ahead of rains that immersed the dam.

Greg Jones arrived on 11th March in time to access and help finalize the work. Greg, County Water officer and Moko Tech carried out the final dam completion survey assessment of the agreed dimensions on 17th March 2017. Greg visited the SWP sites and met with community/committee reps at Tinga and Manyasi. He also visited Ochilo, Kubar and Lua Primary schools where he met and spoke with pupils and teachers, and donated balls. Greg offered to help Lua Primary set up rainwater tank received as donation Lake Basin Development Authority Kisumu that had stayed unused since the beginning of the year. Greg met with Siaya County Minister for water to follow-up the KES 2million county pledge for Tinga dam rehabilitation. We also met with WRMA and Ministry of water teams at Ochilo. Greg received community send-off on 20th March 2017.

Tinga dam is currently filled with water – it heavily rained on 25/26th March 2017 causing flood in the area that lifted the water level is less than a foot from the top of the wall. This presents a risk to people and stock, and is giving the committee and TKMP staff challenging time directing people (including children) and stock away from dam. A perimeter fence and cattle trough is urgently needed to at the dam. We hope the county government will release soon the KES 2million pledged to be used for the fence, cattle trough, additional safe water storage tanks and toilet/bathrooms. In all Tinga community are happier now that dam has more than 20,000 cubic meters of cleaner water to be used as source of safe-water and to water the stock (once trough is constructed).

3. Technical operation, repairs & maintenance

TKMP team carried out maintenance at all SWP sites even though Tinga and Gona remained closed due to either ongoing dam rehabilitation works or drought. Manyasi and Ochilo remained fully operational in the period.

Operator training and supervision: TKMP PMP personnel ensured that Tinga and Gona operators participated in the ongoing Tinga Rehab and also provided support to Manyasi and Ochilo SWPs as part of their training. TKMP continued to backstop records keeping, pump/filter cleaning and maintenance at SWPs.

Regular filter, tank maintenance/service: In the period regular biweekly manual soaking, cleaning and washing of the filters and SWPs system were carried out at

Manyasi and Ochilo. Gona and Tinga filters were also washed and soaked. As before the filter cleaning involved initial wash with powder soap, a day soak in citric acid, a wash, a day soak in powder chlorine and final wash of filter and housing with was powder soap and water. The filters were heavily silted with loads from the dams due to dropped water level accessioned by the dry season. The high water demand/use by people and livestock also put pressure on the projects and dams. The receding dams caused the operators to shift the intake area further inside the dams to find appropriate water level to enable adequate pump operations. Gona SWP was eventually closed on 19th Feb as dam had receded to the point where it was not possible to use the pump and the waters were too murky for the filter use. The committees at Gona and Manyasi took the opportunity to remove some of the excess silt from the intake areas.

Water Pumps: Manyasi water pump had a knock in the period and thus needed ring replacement and service. The other pumps – Tinga, Gona and Ochilo were serviced in the period, and also had oil and plug changed. The unused pumps were safely stored.

Repairs carried out: The following is the list of repairs and maintenance activities carried out in the period:

Gona Safe water project

Gona SWP was closed in the period due to drop in water level occasioned by extended drought however the program in the period undertook:

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach Jik and chlorine powder.
- Tank wash, SWPs system and water treatment using chlorine powder.
- Operator provided support to Ochilo and Manyasi SWPs, and Tinga Dam rehabilitation.

Tinga Safe Water Project

The project remained closed for dam rehab in the period. The maintenance work carried out were:

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach Jik and chlorine powder.
- Tank wash, SWPs system and water treatment using chlorine powder.
- Filters and pump safely stored
- Operator provided support to Ochilo and Manyasi SWPs, and Tinga Dam rehabilitation.

Ochilo Safe Water Project

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach Jik and chlorine powder.
- Tank wash, SWPs system and water treatment using chlorine powder.
- Repair of leaking 1" clean waterline.

Manyasi Safe Water Project

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach Jik and chlorine powder.

- Tank wash, SWPs system and water treatment using chlorine powder.
- Purchased 3' cap to seal caps the pump inlet.

Fair water price/pricing: Water price remained KES 2/50 per 20litre jerry can at all the SWP kiosks. In Manyasi the independent water operators (IWOs) continued with supply of safe water to businesses and homesteads either using motorcycles, pushbikes or donkey carts. The IWOs supplied water at KES 10/- per 20lt Jerry can.

Project fuel, spares and parts: The SWPs now purchase fuel using own revenue collected from the sale of water.

4. Statuses of SW Dams

The dams that are source of water for TKMP supported SWPs were not spared by the ongoing drought. The dry spell has been an outcome of poor and/or uneven rainfalls since 2014 causing serious drop in water levels at the dams. Gona SWP suspended operations mid Feb when the dams dried out. Manyasi and Ochilo SW systems were inundated with dirt and silt, and had to be cleaned every two weeks. By end of March both Ochilo and Manyasi dams had received good enough waters from the rains. Tinga that had been closed for rehabilitation is now filled with water and ready to commence SWP operations. Gona is yet to receive enough water for operations to begin – the levels are still low and far from designated project pump/intake area.

5. Dam Water Users Association

There was little Dam Water Users Association (DWUA) engagement due to ongoing Tinga Dam Rehab plus community members being stressed by effects of the drought.

However, TKMP during meetings with County water minister and WRMA on Tinga Dam rehab also got the interest and/or willingness of these important government water agencies to work with DWUA. TKMP plans to follow up on this.

6. Safe water production and sales records:

Table1 SWP depicts water production, income collected and banked in the period. The total amount collected and banked in Feb/mar 2017.

Table 1 1st Jan 2017 to 31st Mar 2017 safe water projects production, sales and revenue.

SWPs	Opening Meter 20th Jan 2017	Closing Meter 31st Mar 2017	Est Total Water Produced (litres)	Est expected Revenue (KES)	Actual Revenue Collected/Banked (KES)	60% Maintenance Contribution (KES)	40% Community acct (KES)
Gona	01122.06.	01316.04 NB*1	193,980	20,206.25	8195.00	4917.00	3278.00
Tinga	04144.02.	04144.02 NB*2	0.00	0.00	0.00	0.00	0.00

Manyasi	00413.50.	00513.30.	99530.00	4147.08	5730.00	3438.00	2292.00
Ochilo NB***	00104.52.	00136.06.	31540.00	0.00	0.00	0.00	0.00
Totals	-	-	325050.00	24,353.33	13925.00	8355.00	5570.00

1. Gona SWP operations suspended on 19th Feb 2017 when the dam dried out.
2. Tinga SWP suspended on 23rd Dec 2016 for dam rehabilitation.

Table 2 Statement of SWP water revenue collected & banked Aug 2015 to 30th Mar 2017

SWPs	Total Aug16 to Dec16 banked (KES)	Add Jan-Mar 17 (KES)	Total banked as at 30th Mar17	Less 60%o&m (KES)	Less CBO(KES) 40%
Gona	85,120.00	8,195.00	93,315.00	55,989.00	37,326.00
Tinga	38,445.00	0.00	38,445.00	23,067.00	15,378.00
Manyasi	42,140.00	5,730.00	47,870.00	28,722.00	19,148.00
Ochilo	0.00	0.00	0.00	0.00	0.00
Total	165,705.00	13,925.00	179,630.00	107,778.00	71,852.00

7. Community outreach and engagement

Community/committee feedback: TKMP staff participated in SWPs committee/community meetings taking place in the period. More time was spent on Tinga due to ongoing dam rehabilitation works.

Gona had one meeting in the Feb. This was also due to TKMP staff engagement at Tinga and drought that had caused limited activity at this SWP.

Tinga committee had regular weekly meetings to plan and oversee dam rehabilitation works that were being carried out. The committee with assistance of TKMP wrote a letter to the Governor asking for county support, and was allocated KES 2million to be used for fencing, cattle trough, installation additional SW storage tanks and construction of toilet-bathrooms. The county government through the County Minister for Water Irrigation gave a commitment for the support.

Manyasi committee held two meetings in the period with one of the main agenda being follow-up of county's KES 4million allocated to Manyasi dam rehab in the 2017/18 budget.

Ochilo SWP – there were no teachers/parents or school board meeting in the period. TKMP undertook routine maintenance to ensure the pupils and teachers had regular supply of clean water. In March the school held inter-schools sports week bring together at least 12no schools to compete in various sports --soccer, netball and volleyball. The SWP provided clean safe water during the sports to hundreds of pupils and teachers participating in the sports.

SW water demand/payment/revenue collection: Gona and Tinga SWPs remained closed in the period due to either the dam being dried out or rehabilitation works taking place. Manyasi also had bi-weekly interruptions of supply during which the filter and tank received washing. Ochilo SW supply went on with minimal interruption.

There were no revenue generated and banked at Gona and Tinga projects. Ochilo also does not generate any revenue. Manyasi produced a total of 74,200liters of water was produced/distributed in Feb/Mar, and collected/banked KES 5,730.00 from water sales.

8. Networking/liaison with County Govt

In the period TKMP made contacts with Governor Siaya County, and also met with Minister in-charge of water, County Director Water and Sub-County Water officer. TKMP also met with Water Resource Management Authority (WRMA) and Ministry of Water officials who had visited Ochilo SWPs and Tinga rehabilitation works/SWP. TKMP also met with the areas Member of County Assembly (MCA) and local Chief/assistant chief at Obambo centre. All these were done to promote TKMP activities, provide/receive feed back about the program, and to progress Tinga dam rehabilitation.

9. Reporting/communication

In the period the PMP team kept in regular contact with TKMP Advisory committee at the Tweed, and also updating the SW committees especially Tinga about progress.

10.Way forward – next quarter

The following are the items to be addressed in the next quarter:

- Re-open SW station at Tinga –purchase/set up 4no 2'pipes to pump water, service pump and re-engage operator;
- Follow-up with county's on KES 2million to enable put up perimeter fence, cattle trough, additional SW tanks and toilet/bathroom at Tinga;
- Support community/committee draft/enforce Tinga dam by-laws;
- Undertake regular operator meeting, supervision and training.
- Ensure regular filter, SW system and pump cleaning, service, maintenances and repairs carried out.
- Ensure improved water production and distribution.
- Ensure SWPs records of water production, revenue collected and banked carried out and reported at community meetings.
- Ensure regular monthly Gona, Tinga and Manyasi SWPs committees meetings held, and also ensure TKMP participate at Ochilo Primary School PTA meetings.
- Ensure continued enforcement of dam/SWPs by-laws by community in collaboration with community, local leaders and local level administration/chief.
- Continue networking/Liaison with government, leaders and NGO stakeholders.
- Reporting/update TKMP Advisory committee at Tweed.

11.Tinga Rehab Expense – Dec 2016

Date	Income Particulars	Amt. (KES)	Date	Expense Particulars	Amt.
16/12/16	HOOK-Tinga Dam survey support/dewatering	120,000.00	24/12/16	5pax by 4days Bush clearing @ KES 500/	10,0
			24/12/16	5no x 6ft T-pits @600/- per foot	18,0
			24/12/16	4no survey staff holder@4days x 500/-	8,00
			24/12/16	4no security/guide @300/-	4,80
			03/01/17	15pax Trench dam wall (1mx3.5mx10m)/water diversion @8daysx 800/-	68,0
			03/01/17	30liter fuel pumping water - dewatering	3,07
			03/01/17	Total transport –materials/equipment's	7,50
	Total	120,000.00		Total	119,
				Bal.	622.

12.TKMP PMP Project Expense Feb – Mar 2017

<u>Date</u>	<u>Income Particulars</u>	<u>Amt. (KES)</u>	<u>Date</u>	<u>Expense Particulars</u>	<u>Amt. (KES)</u>
01/02/17	Opening bank bal.	425.10	16/02/17	Total PM Fee Oct 16 to Jan 2017	343,000.00
15/02/17	HOOK Funds Transfer PMP Fee	343,000.00	16/02/17	Over spent Oct 16 to Jan 17 - refunded	13,297.30
15/02/17	HOOK 1st Funds Transfer SWP	153,500.00		SWP Operator allowances	
14/03/17	HOOK 2nd Funds Transfer SWP	36,215.00	29/03/17	Allowance- Ochilo operator	8,000.00
			29/03/17	Allowance- Manyasi operator	12,000.00
			29/03/17	Allowance- Gona operator	12,000.00
			29/03/17	Allowance- Tinga operator	12,000.00
				Sub total	44,000.00
				Repairs operation maintenance:	
			05/02/17	SWP Feb-Mar17 Wash	13,170.00
			08/03/17	Citric acid 2kgs	2,200.00
			08/03/17	Tinga cattle trough pipes/fittings	36,215.00
			30/03/17	Ochilo pipe leak repair	3,510.00
			30/03/17	Tinga pump inlet pipe/fittings, concrete	19,075.00
			30/03/17	Water pump services	16,450.00
				Sub total	90,620.00
				SWP Training/Meeting	
			03/03/17	TKMP Operator meeting - Feb17	3,250.00
			29/03/17	TKMP Operator meeting - Mar17	2,220.00
				Sub total	5,470.00
				Greg Hosting	
			13/03/17	Greg community welcome - Sodas	2,545.00
			18/03/17	Shopping- food/water	2,150.00
			21/03/17	Kisumu airport parking	180.00
			26/03/17	Transport-fuel	11,600.00
				Sub total	16,475.00
				Stationery/Meetings/liaison:	
			08/02/17	Courier – Easy Coach	200.00
			26/02/17	Stationery scanning p/copy& printing	5,930.00
			08/03/17	Airtime internet bundles -TKMP report	6,500.00
			31/03/17	Meetings/liaison - county, chief/assistant chief	4,475.00
				Sub total	17,105.00
				Total bank charges	1,848.70
				Sub total	1,848.70
	Total received	533,140.10		Total Expense	531,816.00
				Balance	1,324.10
				Bank bal. 30th March 2017	1,968.50

13. Budget April 2017 to June 2017

<u>Item</u>	<u>Unit</u>	<u>Cost</u>	<u>Total</u>
PMP Fee:			
Program Management fee	3	171,500	514,500
SWP Operations:			
Operator allowance	4	22,000	88,000
Filter Maintenance/cleaning	3	4,500	13,500
Pump service maintenance	3	2,500	7,500
General repairs/maintenance	3	3,500	10,500
Fuel Oct to dec16	0	0	0
Operator meeting/ training f/up	2	5,000	10,000
Dam Water Users	2	5,000	10,000
Meetings/liaison/Reporting/Tinga dam rehab f/up	1	5,000	5,000
Bank fee	3	600	1,800
Sub total			146,300
Total			660,800
Less Bal. bank			1,946.10
Total amount requested April to June 2017			658,853.90

The budget request for April to June 2017 is KES 658,853.90

Kind Regards,

Olita Ogonjo
PMP/TKMP Siaya.