

21 January 2017

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

Dear Troy,

RE: October 2016 to January 2017 Quarter report, Budget Feb to Apr 2017.

1. Introduction

Main activities in the reporting period Oct 2016 to Jan were ground preparation for Tinga Dam Rehabilitation, general O&M of SWPs (pump repairs, filter cleaning, Manyasi water kiosk repainting, Gona suction-line extension), operator trainings, monitoring of water production and sale records and Dam Water Users Association meeting/workshop.

Section 10 and 11 illustrates PMP fee and SW support fund for the period 1st Oct 16 to 19th Jan 2017, and budget request for Feb-mar 2017. Tinga dam rehabilitation expenses (Dec 2016) shall be provided as separate report.

UN/FAO's Piers Simpkin warned of 'serious drought looming in early 2017' due to poor rainfall in 2015/16, leading to the likelihood of reduced rainfall in 2017. Currently the water levels and quality at all dams have dropped and/or deteriorated significantly. Tinga community made the decision to drain out the dam's foul water ahead of the anticipated Tinga dam de-silting works. Accordingly, TKMP commissioned Plum Tech Company to undertake Tinga dam survey to determine the volume of soil to be moved, and cost of dam rehabilitation. Tinga survey design drawings were submitted to TSC on 18th Jan 2017.

During the period there was an increase in water produced/supplied and revenue collected occasioned by drought and increased safe water demand in the SWP areas. The total volume of produced and supplied Oct to Dec 2016 was 694720lts (compared to 413130lts in Jul-Sept 16) and KES 55800/00 (compared to KES 32840/00 last quarter) collected and banked in various SWP community accounts.

At national level the country politicians have started vote hunting ahead of the general election set for August this year expected to be a contest between the ruling Jubilee Coalition party and opposition Cord party. Most Kenyans are praying for a peaceful campaign and election.

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

2. Technical operation, repairs & maintenance

Status of the Dams: The water levels and quality at all the SWP dams have critically dropped due the drought being experienced. The SWPs dams are not all in a good state and may go from bad to worse if the drought persists. The silt and high water demand have had an adverse impact on the filters, pumps, and associated SW infrastructure. There has been increased demand by livestock.

Gona dam continued to recede, and we had to lay 2pcs additional 2" pipes in order to reach and pump the waters into the SW facility. Both Gona and Ochilo dam have enough to last at least another 6 months if the drought persists. Tinga dam water was drained dry following a community decision in December for the dam to dry ahead of the planned de-silting works to start in Feb 2017. We expect the long rains to start anytime in March (if not April).

Operator training and supervision: All SWP operators met on 3rd Oct, 4th Nov and 23rd December 2016 to review progress. A follow-up training was held 23-24th Nov 2016 where the operators received instructions on water kiosk hygiene, records keeping, filter cleaning and maintenance, pump operation from TKMP PMP team. One area of concern addressed was the overworking of the filters -- where filters are left to operate continuously even when water is being distributed to clients, and are not being allowed to rest and/or given proper agitation to release silt load. The operator revenue target for the period was KES 4500/- per month or supply of 1800 x 20lt jerry cans of clean water per project.

Water price – in the period TKMP and SWPs reverted back the water price to KES 2.50/- per 20Lt jerry can (from earlier KES 5/- per 20Lt jerry can) at all SWPs following a plea from community.

Water pumps – all the SWP water pumps received regular monthly carburetor wash plug check and oil change. Manyasi pump had its rings worn-out and had to be overhauled and serviced in the period.

Water pump Fuel cost – The fuel cost Oct 2016 to Jan 2017 was KES 20980.00 (about KES 437.00 per week per project), which was fair considering high water demand in the period. An agreement was made with SWP committees for each project to start purchasing own fuel for water pump operations from the revenues currently being collected and banked by the projects. This was agreed to start in Feb 2017.

Regular filter, pump and tank maintenance/service: PMP Team and the operators carried out regular weekly manual filter cleaning and washing to remove silt throughout the period occasioned by drought, and reduced dam water quality. The day cleaning involved soaking filter cartridges in Jik bleach water, washing, and soaking in citric acid and final clean washing. The filters are all in good working condition.

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

Gona Safe water project

- Regular bi-weekly soak, clean and wash of the filters
- Training operators and committee.
- 2no x 2" UPVC pipe extension for pumping line/service line /intake.
- Replacement of O-rings.
- Cleaning and disinfection of clean water tank.
- Water meter cleaned/serviced.
- Pump copler replaced.

Tinga Safe Water Project

- Manual cleaning and soaking of filters
- Training operator.
- Replacement of O-rings and filter leak repair.
- Repair of clean water in line.
- Water meter cleaned/serviced.
- Water meter cleaned/serviced.

Ochilo Safe Water Project

- Manual cleaning and soaking of filters using citric acid and Jik.
- Training operator.
- Replacement of O-rings
- Water meter cleaned/serviced.
- Cleaning and disinfection of clean water tank.

Manyasi Safe Water Project

- Manual cleaning and soaking of filters.
- Replacement of O rings.
- Cleaning and disinfection of clean water tank.
- Training operator.
- Pump copler replaced.
- Water meter cleaned/serviced.

3. Safe water production and sales records:

Table1 illustrates SWPs water produced and income collected and/or banked 1st October 2016 to 19th January 2017. The total amount collected and banked in Oct to Dec 2015 was KES 55,800/- --significant increase in revenue collected compared to other periods. However, Gona SWP had highest deficit, which the operator could not account and is being handled by committee with assistance of TKMP. The deficits, which included Tinga's KES 6281.50 were explained as follows:

- Operators are allowed to take up to and use 4x20Lt water Jerry cans daily.
- Elderly, orphans, persons living with illness and disabilities are allowed to draw water free up to 1x20Lts each days.
- School going children (during schooling periods are allowed to draw water free for drinking using up to 5Lts water plastic cans.

- Operators also explained that some families/homesteads had taken water with promise to pay soon but had not done so by the time we were reporting. The list of debtors kept by operator mostly included SWP committee members.
- Some of water was used during cleaning of filters, tanks and kiosk area.

Table 1 SWPs water production, supply and revenue collected Oct 2016 to Jan 2017

SWPs	Opening Meter 1 st Oct 2016	Closing Meter 19 th Jan 2017	Estimated Total water volume produced (litres)	Estimated Expected Revenue (KES)	Actual Revenue collected Banked (KES)	Variation (KES)	60% Maintenance Contribution (KES)	40% Community account (KES)
Gona	00836.60	01122.02	333499.00	36998.40	204850	-16513.4	12291	8194
Tinga	00198.60	00367.90	215801.00	25941.50	19660	-6281.50	11796	7864
Manyasi	00302.05	00411.40	140420.00	14585.35	15655	796.65	9393	6262
Ochilo	00097.00	00104.52	5000.00	0000.00	0000.00	0000.00	0	0
Totals			694720	77525.25	55800.00	-21998.25	33480	22320

Note:

1. Tinga closed SWP operation on 23rd Dec 2016 in preparation of dam rehabilitation.
2. Ochilo Primary School closed for holidays 25th Nov to 3rd Jan 2016.
3. No water is sold at Ochilo primary SWP.
4. Gona Kiosk had massive deficit that the operator could not account. The committee with assistance of TKMP is handling this

Table 2 illustrates total revenue collected and banked between Aug 2015 and Dec 2016. As at 31st Dec 2016 the total amount collected by SWPs was KES 165705.00

Table 2 Statement of SWP water revenue collected & banked Aug to Dec 2015

SWPs	Total banked as at Dec-15 (KES)	Jan-Mar16	Apr-Jun16	Jul-Sep16	Oct to Dec16	Total banked (KES)	Less 60%o&m (KES)	Less 40% CBO (KES)
Gona	3590	12390	6750	25620	36770	85120	51072	34048
Tinga	4545	6310	1375	6700	19515	38445	23067	15378
Manyasi	11145	8510	5360	9225	7900	42140	25284	16856
Ochilo	0	0	0	0	0	0	0	0
Total	19280	27210	13485	41545	64185	165705	99423	66282

4. Strategic improvements

Community water planning/business plans: SWP business plan is being used for the O&M, production, marketing, sales and supply of water, revenue collection, recording and banking and reporting. The SW committees and operators have incorporated this model as formal system for operating the projects. The projects are beginning to meet their water production and supply targets despite

ongoing challenges of filter and pump maintenance occasioned by deteriorating dam water source quality.

5. Tinga Dam Rehabilitation

Tinga Dam Rehab: In the period regular weekly Tinga dam committee meetings were held to discuss/plan the pre-dam excavation activities that included community mobilization, awareness and support, clearing vegetation and trees around the dam, and draining-out of the foul dam waters to allow the dam area to dry out ahead of the planned de-silting works. At least one community meeting was held on 23rd December attended by some 500 community members who gave TKMP and committee mandate to surveyor/design, drain out the dam water, clear out the overhanging trees/vegetation and divert/block out water from going into dam until rehab works are completed.

Tinga dam survey design – Plum Tech company carried out Tinga dam survey between 19 and 23rd December 2016, and finalized the design and drawing on 18th Jan 2017. The report has been submitted to TSC for review, comments and approval. Two contractors have been approached to provide their costs for de-silting/excavating the dam.

Tinga SWP closure –Tinga SWP closed operations on 23rd Dec 2016 due to excessive silt, and decision to draining out of the dam waters. The operator Mr. Movine Otieno has been assigned to assist Gona and Manyasi SWPs operators with water pumping, filter cleaning and water distribution.

6. Community outreach and engagement

Community/committee feedback: The 4no project committees including Ochilo Primary's executive committee met in the period. Gona, Tinga and Manyasi all have committees in place, group by-laws for project and dam, have fully registered and operating of bank accounts where revenue from SWPs is deposited. The beneficiary community provides feed back to SWP committees and TKMP staff about water price, taste and service at the water kiosks which are used to make improvements during committee and operator meeting/trainings. This time TKMP was actively involved at chief's barazas.

Dam Users Association: Dam Water Users Association leaders workshop was held on 8th Nov 2016 attended by 12pax leader reps from Ochilo, Gona, Tinga and Manyasi SWPs. The one day workshop also co facilitated by Lawrence Apiyo (a community water governance expert based in Kisumu) and TKMP --featuring the following topics –

- TKMP SWP background.
- Reports from Manyasi, Ochilo, Tinga and Gona SWPs.
- Manyasi and River Yala – catchment issues and opportunities.
- Legislation – Water and Environmental acts and the devolved system of govt.
- Climate change and water
- Leadership, group and networking

- DWUA
- Way forward

Due to time limit the sessions on DWUA and way forward were postponed to January 2017 (dates to be announced). The remaining session will help community start defining the association in terms of issues, visioning and goal setting. Emerging from the session were:

- Need for the community, leaders, county and national government to work closely in creating more awareness about environmental protection, and climate change focused on Manyasi Valley and River Yala catchment.
- Need to strengthen legislation on protection of environment and water bodies.
- Need to leverage more funding and support to local development of water and sanitation infrastructure focusing on schools, community centers and homesteads.
- Need to strengthen governance and accountability of water and environmental development activities.

SW water demand/payment/revenue collection: The demand for safe clean water has risen as has been the sales of water. As reported in section 3 there was remarkable increase in revenue in the period though still low given overall O&M requirements. The filters and the pumps are working at their maximum level to meet the current demand.

7. Networking/liaison with govt/NGOs and county leaders

Overall, the safe water projects enjoy the support of the local community and key leaders. In the period there was little contact with county water office, WRMA and Ministry of Water. TKMP staff actively interacted with Chief/Assistant Chief South East Alego on Tinga rehab and SWPs operation issues.

8. Reporting/communication

During the period the PMP team kept TKMP Advisory committee at the Tweed updated including HOOK. We also provided update monthly report of SWPs performance to committees and community.

9. Way forward – Feb-Mar 2017 quarter

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

- Tinga dam rehab works – Preps, contractor and hosting of Greg
- Undertake regular operator meeting, supervision and training.
- Ensure improved water production, marketing and sales by the projects.
- Facilitate SWPs recording, collection, banking and reporting to community and TSC.
- Assist Gona SWP acquire CBO registration, open, deposit water sales monies and operate bank account.
- Manual cleaning and servicing of filters, meters and pipelines.
- Monthly onsite servicing and maintenance of water pumps.
- Facilitate DWUA vision-goal setting.
- Networking/Liaison with government, leaders and NGO stakeholders.

- Reporting/update TKMP Advisory committee at Tweed.

10. Project income/expenditure statement Oct 16 to Jan 17 – Revised

This section illustrates PMP fee and SW support fund for the period 1st Oct 16 to 19th Jan 2017. Tinga dam rehabilitation expenses will be provided as separate report.

Date	Income Particulars	Amt. (KES)	Date	Expense Particulars	Amt. (KES)
01/10/16	Opening bank bal.	514.50	20/01/17	Total PM Fee Oct 16 to Jan 2017	686,000
01/10/16	Bal. b/f. Jul-Sep 2016	4,864.50		SWP Operator allowances	
24/10/16	HOOK Funds Transfer SWP	210,471.00	20/01/17	Allowance- Ochilo operator	16,000
24/10/16	HOOK Funds Transfer PMP fee	686,000.00	20/01/17	Allowance- Manyasi operator	24,000
			20/01/17	Allowance- Gona operator	24,000
			20/01/17	Allowance- Tinga operator	24,000
				Sub total	88,000
				Repairs operation maintenance:	
			10/10/16	Tinga repairs - pipe, filter	3,500
			24/10/16	Manyasi repainting	29,375
			27/10/16	SWP Oct Wash	5,390
			30/10/16	Pipe wrench 24", hacksaw/blade	3,335
			31/10/16	4pcs gumboots - field staff	2,400
			31/10/16	Tinga pump repair - oil carburettor wash	1,950
			07/11/16	Pump couplers 3' and 2'	2,500
			10/11/16	Ochilo-Gona repainting	10,800
			12/11/16	2 wheel barrow - wheel repaired	1,100
			14/11/16	SWP Nov Wash	3,620
			17/11/16	Gona repair - pipeline extension	4,065
			28/11/16	SWP Dec wash	3,630
			21/12/16	Hacks saw/blade	500
			11/01/17	Manyasi pump repair - ring replacement, carburettor wash	4,500
			16/01/17	SWP Jan17 wash	3,880
			20/01/17	Total SWP fuel Oct16-Jan 2017	20,980
				Sub total	101,525
				SWP Training/Meeting	
			03/10/16	TKMP Operator meeting - Oct 16	2,090
			04/11/16	TKMP Operator meeting - Nov16	2,440
			08/11/16	Dam Water Users Meeting/training - Gona	19,300
			24/11/16	Operator training - 23-24th Nov16	4,600
			23/12/16	TKMP Operator meeting - Dec 16	2,210
				Sub total	30,640
				Stationery/Meetings/liason:	
			11/10/16	Courier –Easy Coach	200
			27/10/16	Airtime internet bundles -TKMP report	3,000
			17/11/16	Stationery scanning p/copy	2,000
			17/01/17	Photocopy, loose pad & adapter	370

		Sub total	5,570
		Total bank charges	3,384
		Sub total	3,384
Total received	902,365.00	Total Expense	Ksh915, 119
		Balance -over spend	13269.00
		Cash in bank	450.75

11. Budget Feb to March 2017 – Revised

Item	Unit	Cost	Total
PMP Fee:			
Program Management fee	2	171,500	343,000
SWP Operations:			
Operator allowance	2	22,000	44,000
Filter Maintenance/cleaning	2	10,000	20,000
Pump service maintenance	1	20,000	20,000
General repairs/maintenance	2	7,500	15,000
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	2	10,000	20,000
Bank fee	2	600	1,200
Sub total			140,200
Total			483,200
Add over spend Oct 16 - Jan017			13269.00
Total amount requested Feb to Mar 2017			496,469.00

The budget request for Feb to March 2017 is KES 496,469/00

Kind Regards,

Olita C. Ogonjo
PMP/TKMP Siaya.

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