

24th May 2017

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

Dear Troy and TKMP Committee Members.

RE: April and May 2017 Program Report/Budget June to Aug 2017.

1. Introduction

All the SWP dam sources were completely filled with water following the heavy rains starting late April to May. There was little or no safe water supplied/revenue collected and banked by Gona, Tinga and Manyasi in the period as demand for SW from SW sites dropped with rains.

This time, the heavy rains and flooding in the period destroyed properties, roads and even inundated dams with silt. A section of recently rehabilitated Tinga dam's retaining wall was eroded following heavy rains/flooding. TKMP staff established that the water seeping through the damaged wall came out of livestock feeder pipeline joint submerged within the wall. The silt trap and spillway was also filled up with silt –causing the extraordinary rise in dam water level. TKMP staff and community have been removing excess silt out of the spillway to stop further rise of dam water level.

Kenya is preparing for national election set to take place 8th Aug 2017. During April and May political parties engaged in primary elections to nominate preferred candidates in readiness for the August election. The current seating governor won ODM Party nomination to contest governors seat for the second term in the up-coming August election. Overall the party elections nationally were characterized by complaints of rigging and cheating by those contesting. The election campaigns and rains resulted in low community participation at meetings and planned SWP activities.

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

2. Tinga Dam Rehabilitation

Tinga dam rehab was finalized on 26th March 2017, and soon after the area had rains that immediately filled up the dam bringing the water level a foot from the tip of the dam wall. TKMP/Community removed the excess silt from spillway to control the rising level. With more rains in April and May the dam water – and eventually dam water tipped over the retaining wall and erode section of the outer face. The road adjacent to the dam was completely eroded and/or destroyed by water, and so were farms and properties in the area. PMP kept TKMP Committee briefed of the situation and even arranged for Moko Tech (the dam contractor) to visit/assess the situation. Currently the dam water levels are

high inches from tipping over the wall, and the silt trap and spillway filled up with silt. The eroded section of wall requires urgent repair. To control the water level TKMP and community have been removing silt to open up the spillway. TKMP staff also liaised with residents living down stream of the dam to discuss evacuation and safety should the dam walls collapse.

The situation 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 will be needed for the dam. The County Government are yet to release the KES 2million allocated to Tinga Dam Rehabilitation to be used to fence the dam area, construct cattle/livestock trough, toilet/bathrooms and provide additional safe water storage tank.

Tinga community is happy with dam and the fact that it has cleaner water. Tinga committee distributed water free to the community between 1st and 7th April to compensate the community for allowing the dam to be dewatered in Oct 2016 in preps for dam rehabilitation – some 1029920lts of water were produced/distributed to residents.

3. Technical operation, repairs & maintenance

TKMP team carried out maintenance at all SWP sites. Tinga and Gona SWP resumed operations in April. Manyasi and Ochilo remained fully operational in the period. However the demand for water from the SWP sites drastically dropped with the rains as community preferred to use water from sources close to their homes.

Operator training and supervision: TKMP PMP provided support to SW operators participated to either continue or resume project operations. TKMP continued to backstop records keeping, pump/filter cleaning and maintenance at SWPs. The PMP Records Officer resigned in the period to resume his University studies. We are currently training one operator Mr. Movine Otieno to assume the role of Records Officer.

Regular filter, tank maintenance/service: In the period manual soaking, cleaning and washing of the filters and SWPs system was carried out at all SWP sites. The operators and PMP staff washed clean the filters using powder soap, day-soaked the filters in citric acid then washed, and then another day-soak in powder chlorine after which a final wash was conducted. This time the filters were cleaner with the dams recharged and levels higher filled with cleaner water with the rains. The water demand and/or use by people and livestock dropped significantly with the rains at all the SWP sites. The floods also brought in excess silt into the dams – mostly coming from the road and heavy property and infrastructure development currently taking place in the area.

Water Pumps: All the SW pumps – Tinga, Gona, Ochilo and Ochilo were serviced in the period, and also had oil and plug changed. The pumps are in good working condition.

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

Gona Safe water project

Gona SWP resumed operation in April. The repairs and maintenances carried out in the period were:

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach and chlorine powder.
- Tank wash, SWPs system and water treatment using chlorine powder.
- Provided support to operator/committee to resume SW operations.
- Service of water pump – oil and plug changed, and carburetor cleaned.
- Repair of intake line damaged during the floods.

Tinga Safe Water Project

The project resumed operation following dam rehab. The maintenance work carried out were:

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach and chlorine powder.
- Tank wash, SWPs system and water treatment using chlorine powder.
- Filters and pump safely stored.
- Provided support to operator/committee to resume SW operations
- Dam's Spillway excavation, and monitoring/reporting on dam level changes/impacts, and liaison with residents living down stream to discuss evacuation should the dam walls collapse.

Ochilo Safe Water Project

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach and chlorine powder.
- Tank wash, SWPs system and water treatment using chlorine powder.
- Provided support to operator/committee on SW operations.
-

Manyasi Safe Water Project

- Manual soaking, cleaning, washing and disinfecting the filter membrane using citric acid, bleach and chlorine powder.
- Tank wash, SWPs system and water treatment using chlorine powder.
- Purchased 3' cap to seal caps the pump inlet.
- Provided support to operator/committee on SW operations

Fair water price/pricing: Water price remained KES 2/50 per 20litre jerry can at all the SWP kiosks. There were little demand and supply of safe water in the period due to rains and problems of road access/slippery paths to SWP site during periods of rain. Residents thus fetch water from sources close to their homes and/or own rainwater harvesting methods (pits, tanks/drums/buckets and puddles of water).

Project fuel, spares and parts: Even though SWPs are to purchase fuel using own revenue collected from the sale of water, in the period TKMP PMP provided fuel

support to help resume operations with Gona and Tinga sites getting each KSHS 1000/- (or about 10lts) of fuel.

4. Statuses of SW Dams

This time the SWP dams received more than normal waters with the rains during the period. The rains causing widespread floods came immediately after seasons of dry spell occasioned by poor and/or uneven rainfalls going back to 2014. Gona and Tinga SWPs resumed operations in April. Now all the SWPs have plentiful water in the dams. However the recent property, farmland and infrastructure development in the SWP areas have greatly resulted into loose soil surface that are in turn ferried into the dams by runoff and floods during rains. In the case of SWPs, heavy silt load were transported from as far as Siaya Town into Manyasi Nyalnawe, Tinga and Gona dams within Manyasi Valley -- causing serious failure of recently rehabilitated Tinga silt trap and spillway. The rains also eroded loose soil on the slopes of deforested Akara Hill and even eroded access road, washing the loads into Tinga Dam. Ochilo dam was inundated by silt coming out farming and development taking around Ting Wangi area. Regulations and local community/businesses awareness are needed to enable if improved catchment management is to be achieved. This is an area of particular interest to TKMP as it is linked directly to SWP sustainability.

5. Dam Water Users Association

There was little Dam Water Users Association (DWUA) engagement in the period. TKMP is following up with County water and WRMA on the opportunity for collaboration to support the DWUA with the broad agenda for improved local-to-local networking, and catchment/SW management.

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 April 2017.

Table 1 1st April 2017 to 19 May 2017 safe water projects production, sales and revenue.

SWPs	Opening Meter 1 st April 2017	Closing Meter 19 th May 2017	Est Total Water Produced (litres)	Est expected Revenue (KES)	Actual Revenue Collected/Banked (KES)	60% Maintenance Contribution (KES)	40% Community acct (KES)	Comments
Gona	1316.04	1318.02	1,980.00	206.25	165	99	66	Low sales due to rains
Tinga	4144.02	4278	133,980.00	13956.25	685	411	274	Total 102920lts water distributed free 1st -7th April 2017
Manyasi	513.3	519.3	6,000.00	625	665	399	266	Low sales due to rains
Ochilo	136.06	138.4	2,340.00	0	0	0	0	Water distributed free to pupils
Totals	-	-	144,300.00	14787.50	1515	909	606	

7. Community outreach and engagement

Community/committee feedback: This time there were few SWPs committee/community meetings taking place due to political parties primary elections in which committee members and key contacts in the community took active roles, and also rains that kept members busy in their farms. Gona and Manyasi did not have any meeting. Tinga committee held four meetings in April and May.

Tinga committee meetings in the period dealt with management of dam post - rehabilitation works where the concern was the rising water level, silted spillway/silt trap and eroded dam wall/road. The committee has started drafting dam by-laws. Plans were also made to follow up KSHS 2mil county support to fence dam, construct livestock watering trough and toilet/bathrooms. Proposal was made that part of the funds to be used to rehabilitate silt trap/spill way and eroded wall.

SW water demand/payment/revenue collection: Water demand at SWPs remained low as it does happens in periods of high rainfall. In all the SWPs apart from Tinga, there was low water production and sale. In Tinga, the committee made a decision to distribute water free to the community between 1st and 7th April to compensate the community for allowing the dam to be dewatered in Oct 2016 in preps for dam rehabilitation – some 1029920lts of water was distributed to residents.

Overall, there was low water production, sales and banking at all the SWPs.

8. Networking/liaison with County Govt

In the period TKMP continued to follow up Minister in-charge of county water affairs and/or county water office contacts and county ward administrator – to follow up on KSHS 2mil allocated by county for Tinga dams rehab works.

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 on post Tinga rehab progress.

10. Way forward – next quarter

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

- Follow-up with county's on KES 2million to enable repair eroded dam wall/silted spillway and silt trap, and put up perimeter fence, cattle trough, additional SW tanks and toilet/bathroom at Tinga;
- Facilitate urgent Tinga dam wall damage and spill way repairs.
- Monitoring quality and levels – especially Tinga dam
- 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. TKMP PMP Project Expense April and May 2017

<u>Date</u>	<u>Income Particulars</u>	<u>Amt. (KES)</u>	<u>Date</u>	<u>Expense Particulars</u>	<u>Amt. (KES)</u>
01/04/17	Opening Bal.	2006.2	24/05/17	PMP Fee	343,000.00
18/04/17	HOOK Funds Transfer PMP Fee	343000		<u>SWP Operator allowances</u>	
18/04/17	HOOK 1st Funds Transfer SWP	90000	24/05/17	Allowance- Ochilo operator	8,000.00
10/05/17	HOOK 2nd Funds Transfer SWP Lwala	14000	24/05/17	Allowance- Manyasi operator	12,000.00
			24/05/17	Allowance- Gona operator	12,000.00
			24/05/17	Allowance- Tinga operator	12,000.00
				Sub-total	44,000.00
				<u>Repairs operation maintenance:</u>	
			21/04/17	SWP Apr&May17 Wash	7,980.00
			22/04/17	Gona intake line repair	2,450.00
				Water Pump Service	6,400.00
				Sub-total	8,850.00
				<u>SWP Training/Meeting</u>	
			04/05/17	TKMP Operator meeting - Apr17	2,525.00
			24/05/17	TKMP Operator meeting - May17	2,960.00
				Sub-total	5,485.00
				<u>Stationery/Meetings/liaison:</u>	
			21/04/17	stationery scanning p/copy& printing	1,545.00
			24/04/17	airtime internet bundles - TKMP report	3,100.00
				Sub total	4,645.00
				<u>Fuel -SWPs April/May</u>	
			24/05/17	Total fuel - Gona, Tinga & Manyasi	2,700.00
				Sub-total	2,700.00
				<u>Tinga Dam</u>	
			24/05/17	NB*Tinga spillway silt trench/removal	7,500.00
			24/05/17	NB*3day Tinga pipeline excavation/leak repair	6,000.00
				Sub-total	13,500.00
				<u>Lwala Pri School Tank</u>	
			12/05/17	4no bags cement	2,800.00
			15/05/17	8no gutters	3,200.00
			18/05/17	PVC Pipes	1,400.00
			18/05/17	PVC bends	200.00
			18/05/17	gutter clips	1,400.00
			18/05/17	long nipple	150.00
			18/05/17	backnut	100.00
			18/05/17	tap	700.00
			18/05/17	GI socket	50.00
			28/04/17	wood screen	100.00
			15/05/17	transport/	1,500.00
			19/05/17	labor	2,500.00

		Sub total	14,100.00
	24/05/17	Total bank charges	3,181.35
		Sub total	3,181.35
449,006.20		Total Expense	439,461.35
		Bank bal 20th May 2017	9,544.85

NB: highlighted are funds disbursed to enable Tinga spillway manual desilting and manual pipeline excavation/repair. The receipts will be submitted to Teena once works completed.

12. Budget June to August 2017

Item	Unit	Cost	Total
PMP Fee:			
Program Management fee	3	171,500	514,500
SWP Operations:			
Operator allowance	3	26,000	78,000
Filter Maintenance/cleaning	3	3,500	10,500
Pump service maintenace	3	2,500	7,500
general repairs/maitnenece	3	5,000	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/liason/Reporting/tinga dam rehab f/up	2	5,000	10,000
Bank fee	3	1,000	3,000
Sub total			144,000
Total			658,500
less Bal			9,544.85
Total amount requested April to June 2017			648,955

The budget request for June to August 2017 is rounded KES 648,955/- made up of:

SWS – 134,455.15

PMP – 514,000/-

Kind Regards,

Olita Ogonjo
PMP/TKMP Siaya.