



**REPUBLIC OF KENYA**  
**MINISTRY OF WATER AND SANITATION**  
**STATE DEPARTMENT FOR WATER**



**TANATHI WATER SERVICES BOARD**  
**(MAKUENI COUNTY PROJECTS)**

**BRIEF SUMMARY OF TANATHI WATER SERVICES BOARD RECENTLY  
COMPLETED, ON-GOING AND PLANNED PROJECTS WITHIN  
MAKUENI COUNTY**

**7<sup>TH</sup> AUGUST 2018**

**SUMMARY TABLE OF COMPLETED BOREHOLES IN MAKUENI COUNTY (See Annex 1)**

<b>STATUS OF PROJECTS</b>	<b>NO. OF BOREHOLES</b>	<b>COST IN KSHS.</b>	<b>POPULATION SERVED</b>	<b>WATER ADDED IN M<sup>3</sup>/HR</b>
<b>Completed by TAWSB and JICA B/Hs</b>	42	268,651,182.00	102,000 people & 1,000 LU	294
<b>SUMMARY TABLE OF AND ONGOING BOREHOLES IN MAKUENI COUNTY</b>				
<b>Ongoing</b>	12	86,549,960.47	17,500 people, 1,400 LU	60

**Completed Projects**

<b>S/No</b>	<b>Name Of Project</b>	<b>Constituency</b>	<b>Cost Of Project (Million)</b>	<b>Population Served</b>	<b>Scope Of Works</b>	<b>Safe Water Produced (M<sup>3</sup>/D)</b>	<b>Status</b>
1.	Nzai-Emali tank water supply project.		5.8	5,000	<ul style="list-style-type: none"> <li>• 6km pipeline</li> <li>• 4 No. Water kiosks.</li> </ul>	360	Complete
2.	Kamunyolo Dam Water Supply Project	Makueni	41	8,000	<ul style="list-style-type: none"> <li>• Dam de-silting.</li> <li>• Composite infiltration unit</li> <li>• 2No. Grade 9 houses</li> <li>• 2No. pump houses</li> <li>• 50m<sup>3</sup> clear water sump.</li> <li>• 4Km rising main</li> <li>• 225m<sup>3</sup> masonry tank.</li> <li>• Water kiosk and cattle trough.</li> </ul>	200	Complete but the dam bleached during the recent floodings
4	Kaiti BH Water Supply Project	Kaiti	33	5,000	<ul style="list-style-type: none"> <li>• 2No. pump houses</li> <li>• Installation of (2 No) pumping units at intake and booster station</li> <li>• 2No. grade 9 houses</li> <li>• 225m<sup>3</sup> and 100m<sup>3</sup> tanks at Unoa and booster station.</li> <li>• 6km raising main</li> </ul>	55	Complete
5	Mwaani 2 BH Water Supply Project	Makueni	44	10,000	<ul style="list-style-type: none"> <li>• Rehabilitation of 6.4km rising main.</li> <li>• 2 No. 225m<sup>3</sup> tank</li> <li>• 2km distribution line for the town.</li> </ul>	140	Complete

S/No	Name Of Project	Constituency	Cost Of Project (Million)	Population Served	Scope Of Works	Safe Water Produced (M <sup>3</sup> /D)	Status
					<ul style="list-style-type: none"> <li>Rehabilitation of 3 No. grade 9 houses</li> <li>2No. water kiosks</li> <li>Installation of 2 No pumping units.</li> </ul>		
6	Umanyi-Mtito Andei Water Supply	Kibwezi	120	70,000	<p>Construction of: Water intake. Water storage tanks (100, 200 and 500m<sup>3</sup>) Water laboratory. 20 No water kiosks.</p> <p>Laying of a gravity pipeline 50Km</p>	4,700	Complete
7	Equipping of 4No. boreholes	Kilome (Within Konza Techno City)	76.5	N/A	17km raising main, 2 No steel elevated tanks 4 No. pump houses		Complete
8	Thwake Multipurpose Dam	Kitui and Makueni. It is one of the Vision 2030 Flagship Projects. The Dam component is the first phase of the Thwake Multipurpose Water development program that comprises of four phases namely; dam component, irrigation, hydropower generation, water supply & sanitation				The Dam construction component is ongoing and its being implemented by Ministry of Water and Sanitation.	

**TANATHI WSB SMALL DAMS AND WATER PANS COMPLETED WITHIN MAKUENI COUNTY**

S/No	NAME OF DAM	CONSTITUENCY	WARD	CURRENT STATUS
1	Kwa Mutaki Dam	Mbooni	Tulimani	Complete
2	Kwa Ndia Dam	Mbooni	Kako/Waia	Complete
3	Ngunini Dam	Mbooni	Kalawa	Complete
4	Kyuasini	Kibwezi East	Masongaleni	Complete
5	Yikuiku /Kwa Tundu	Kibwezi East	Nguumo	Complete

<b>S/No</b>	<b>NAME OF DAM</b>	<b>CONSTITUENCY</b>	<b>WARD</b>	<b>CURRENT STATUS</b>
6	Syaathi	Kibwezi East	Masongaleni	Complete
7	Masaku Ndogo	Kibwezi East	Masongaleni	Complete
8	Mikoini	Kaiti	Kee	Complete
9	Mwea Sand Dam	Kaiti	Kee	Complete
10	Kyenini	Kibwezi West	Makindi/Kiboko/T waandu	Complete
11	Mamu	Kibwezi West	Makindu	Complete
12	Muaa Muasa	Makueni	Kikumini/Muvau	Complete
13	Kwa Kaluku	Makueni	Kitise	Complete
14	Ngomano	Makueni	Mavindini	Complete
15	Ikuutani-Mboloti	Kilome	Kasikeu/Kiou	Complete
16	Kwa Mbeu	Kilome	Kasikeu	Complete
17	Kemaasya	Kilome	Kilome	Complete
18	Nguuni	Kilome	Kasikeu	Complete
19	Kwa Mutaki	Mbooni West	Tulimani	Complete

**Drought Mitigation Programme - Phase III Ongoing Works Summary of Drilling/Equipping of Boreholes**

<b>Name of Project</b>	<b>Cost (Kshs.)</b>	<b>County (if cross-county indicate)</b>	<b>Constituency</b>	<b>Major Activities</b>	<b>Population Served</b>
<b>MAKUENI COUNTY</b>					
Kwa Kilungu B/H	5,000,000	Makueni	Kilome	Drilling and equipping borehole	2,000 people at 5m <sup>3</sup> /hr
Kwa Mbeu B/H	5,000,000	Makueni	Kilome	Drilling and equipping borehole	2,000 people at 5m <sup>3</sup> /hr
Matooi B/H	5,000,000	Makueni	Kilome	Drilling and equipping borehole	2,000 people at 5m <sup>3</sup> /hr
<b>Sub-Total</b>	<b>15,000,000</b>	<b>Makueni County</b>			<b>6,000 people at 15m<sup>3</sup>/hr</b>

**ONGOING PRIORITY PROJECTS IN MAKUENI COUNTY**

<b>N o.</b>	<b>NAME OF PROJECT/ PROGRAM</b>	<b>CONSTITUENCY</b>	<b>SCOPE</b>	<b>COST(KES) '000 000</b>	<b>FINANC IER</b>	<b>STATUS</b>	<b>OUTCOME</b>	<b>EXPECTED COMPLETI ON DATE</b>
1	Usalama Borehole	Kibwezi east	<ul style="list-style-type: none"> <li>• Drilling and equipping of 1 No. Borehole</li> <li>• Construction of 1 no. water kiosk with 1 No. 10m<sup>3</sup> plastic water tank</li> </ul>	5	GoK	<ul style="list-style-type: none"> <li>• Drilling complete</li> <li>• Equipping ongoing</li> </ul>	Will serve 3,000 people with clean drinking water	March, 2018
2	Kwa Mamuu Pipeline	Kilome	Laying of 9KM 2” dia. pipeline Rehabilitation of 1No water kiosk	5.97	GoK	Contract awarded	1,100 people to be served with 5m <sup>3</sup> /hr	Jun-17 to May-18
3	Kautandini Water Project	Kilome	Rehabilitation of 8 Km pipeline.	5.99	GoK	pipeline repairs at 90%	2,500 People and 700 livestock with 5m <sup>3</sup> /hr	Jun-17 to Apr-18
4	Kwa Muloi Tanks	Kilome	Construction of 3No. 50m <sup>3</sup> Masonry tanks.	5.8	GoK	Contract awarded	To serve 650 people with 5m <sup>3</sup> /hr	Jun-17 to May-18
5	Kwa Robert	Kilome	Construction of 2 no. water kiosk with 2No. 10m <sup>3</sup> plastic water tank.	5.97	GoK	Contract awarded	To serve 850 people with 5m <sup>3</sup> /hr	Jun-17 to Jun-18
6	Kwa Kilungu Borehole	Kilome	Drilling and equipping borehole	2.96	GoK	Hydrogeological surveys complete. Preparation of tender documents for drilling ongoing	To serve 900 people to be served with 5m <sup>3</sup> /hr	Feb-18 to Jun-18
			<b>TOTAL COST</b>	<b>31.69</b>				

**PROPOSED MAJOR DAM AND WATER SUPPLY PROJECT IN ALIGNMENT WITH THE BIG FOUR AGENDA;**

<b>S/no</b>	<b>Project Name</b>	<b>Constituency</b>	<b>Est. Cost (kshs. Million)</b>	<b>Target Areas</b>	<b>Status</b>	<b>Capacity</b>	<b>EXPECTED START AND COMPLETION DATE</b>
1	Mbondoni Community Water Project	Kibwezi East	15	Machinery market and its environs	Preliminary Design Complete and proposal forwarded to Ministry of Water	72m <sup>3</sup> /day to serve 10,000 people	2018
2	Kilome-Mikuyu Dam	Kilome	4,000	Water for irrigation, livestock and domestic use for Kilome constituency	Design Complete and proposal forwarded to ADF 14 and World Bank for funding	To store 1,500,000 million cubic and supply 15,000m <sup>3</sup> /day of water to Kilome to serve 74,000 people	2019 – 2022
3	Thwake-Konza Water Supply Project	Makueni and Kilome	8,000	Water supply to the proposed Konza Techno-City	Preliminary Design Complete and proposal forwarded to ADB for funding	To supply 15,000m <sup>3</sup> /day of water to Kilome to serve 274,000 people	2019 – 2022
4	Nzai-Ithumba-Masumba Water Supply Project	Kibwezi West	181	Nguu, Kikumini Masumba, Kakili na Mii	Preliminary Design Complete and proposal forwarded to Ministry of Water	To supply 518 m <sup>3</sup> /day of water to Kibwezi West constituency to serve 24,000 people	2019 – 2022

**OTHER PROPOSED WATER AND SANITATION PROJECTS WITHIN OUR 2017-2022 STRATEGIC PLAN**

<b>No.</b>	<b>NAME OF PROJECT/ PROGRAM</b>	<b>COUNTY/ Constituency</b>	<b>SCOPE</b>	<b>COST(KES) '000 000</b>	<b>OUTCOME</b>	<b>EXPECTED COMPLETION DATE</b>
1.	Manooni water supply project	Makueni/ Kilome	Improve access to water supply to 13,000 people in Manooni and Matiliku areas	150	1,500 m <sup>3</sup> /day of water to be produced to serve 35,000 people	2017 – 2019
2.	Mzima springs Mtitu Andei water supply project	Makueni/ Kibwezi East	Improve access to water produced to serve 34,000 people in Mtitu Andei town	3,000	5,000m <sup>3</sup> /day of water to serve 55,000 people	2017 – 2021
3.	Wote, Makindu Kibwezi and Matuu Towns Sewerage Project	Makueni/ Kibwezi East & West	Increase Waste water treated in Wote, Makindu, Kibwezi and Matuu towns covering 40,000 people	3,300	At least 25,000M <sup>3</sup> /day of waste water treated for 100,000 people	2017 – 2022
4.	Wote Town Water supply project		Improve access to water produced to serve 55,000 people in Wote town	1,500	Improve access to water supply by 5,000m <sup>3</sup> /day construct 33km pipeline	2017 – 2022
5.	Nor-turesh bulk w/supply – rehabilitation project	Makueni/ Kasikeu & Kilome	Improve access to water produced to serve 145,000 people in Simba, Emali, Sultan Hamud and Salama towns	2,040	Improve access to water supply by 4,000m <sup>3</sup> /day and construct 110 km pipeline	2017 – 2022
6.	Drilling and Equipping of 50 boreholes	Makueni/ all Constituencies	Improve access to water produced to serve 50,000 people in Makueni county	200	Increase water supply by 5,000m <sup>3</sup> /day. Drill and equip boreholes	2017 to 2022



**Annex 1 - TABLE OF COMPLETED BOREHOLES BY TAWSB, DROUGHT, UNICEF AND JICA PER COUNTY**

S/ No	Name of Project	County	Ward/ Constituency	New or Rehabilitation	Funded Components	Cost (Kshs.)	Population Served	Total Water Production	Date Started/ Date Completed	Current Status
1	Kalimbini Watsan Project	Makueni	Kasikeu Loc.- Makueni District	New	Borehole water source system	8,151,210	5,200	7.2		complete and operational
2	Ndovoini Watsan Project	Makueni	Ithumba Loc- Makueni District	New	Borehole water source system	6,437,460	7,000	9.6		complete and operational
3	New matutu B/H	Makueni	Nguu loc- Nzau	New	Borehole Water project	8,354.640	5,200	19.2		Complete and operational.
4	Nthungui Ivovoani W/P	Makueni	Utithi loc Kibwezi	New	Boreholes water project	7,345,000	2300	12		complete and operational
5	Ulu B/H3 borehole and Kwa Ndiki B/H projects	Makueni		Rehabilitation	Ulu B/H 3 replacement and re-equipping with the old pump.  Kwa Ndiki B/H – supply & installation of draw pipes	3,038,621	Ulu B/H3 – 3,000 people  Kwa Ndiki B/H – 3,000	40m <sup>3</sup> /hr	26/01/2017 - 9/02/2017	Complete and operational

S/ No	Name of Project	County	Ward/ Constituency	New or Rehabilitation	Funded Components	Cost (Kshs.)	Population Served	Total Water Production	Date Started/ Date Completed	Current Status
							people	5m <sup>3</sup> /hr		
6	Mutulani B/H Project	Makueni		Rehabilitation	Installation of pump, draw pipes, airline and servicing of the genset.	1,294,309	3,000 people	2m <sup>3</sup> /hr	25/01/2017 - 17/03/2017	Complete and operational
7	Sultan Community B/H	Makueni	Sultan Hamud	Rehabilitation	Equipping the B/H with a submersible pump, control panel, installation of 2No. 10m <sup>3</sup> plastic tanks on existing steel elevated towers, repair of a water kiosk & a repair of cattle trough, fencing / gate installation & pipeline repairs.	2,421,942	2,000 people	2m <sup>3</sup> /hr	26/04/2017 - 20/09/2017	Complete and operational
8	Kayatta B/H, Kwa Ngumu B/H and Muani B/H Project	Makueni		Rehabilitation	Kayatta B/H surface pump replacement, Kwa Ngumu B/H surface pump replacement and Muani B/H surface & submersible	2,929,649	3,000 people	10m <sup>3</sup> /hr	26/04/2017 - 17/07/2017	Complete and operational

S/ No	Name of Project	County	Ward/ Constituency	New or Rehabilitation	Funded Components	Cost (Kshs.)	Population Served	Total Water Production	Date Started/ Date Completed	Current Status
					pumps replacement together with their control panels Project					
9	Kyumani pipeline rehabilitation Project	Makueni		Rehabilitation	Rehabilitation of 192m GI rising main and 60m gravity line, construction of a composite filtration unit at the weir on a river.	5,472,912	15,000 people	20m <sup>3</sup> /hr	26/04/2017 - 26/09/ 2017	Complete and operational
10	Konza-Techno city water supply	Makueni		New	-Equipping of 4 No. Boreholes.  -Construction of 4No. Pump Control rooms.  -Laying of a 5km rising main of assorted sizes.  -Fabrication and erection of 2No. 250m <sup>3</sup> Elevated Steel	76,000,000.00	1,000 workers.	37m <sup>3</sup> /hr		Complete and operational.

S/ No	Name of Project	County	Ward/ Constituency	New or Rehabilitation	Funded Components	Cost (Kshs.)	Population Served	Total Water Production	Date Started/ Date Completed	Current Status
					Tanks. -Laying of a 7Km 110mm dia. Gravity line and water bowser stands.					
11	26No. JICA funded Boreholes	Makueni		New	Drilling and equipping 26 boreholes	155,551,724.00	53,000	130m <sup>3</sup> /hr		Complete and operational.
	<b>Makueni County Sub-Total</b>				<b>Makueni County</b>	<b>268,651,182.00</b>	<b>102,000 people</b>	<b>294m<sup>3</sup>/hr</b>		

## COMPLETED AND ONGOING PROJECTS UNDER WORLD BANK PROGRAMME BY AWSB

Total of 3 boreholes and associated works of approximately Ksh. 38m were done.

S/No	Name of Borehole	GPS Coordinates	County	To Be Operated By Community or WSP	Current Status
1	Kibwezi Farmers	02°20'31"S 37°58'06"E	Makueni	Community	All activities completed and functional, awaiting community management training and commissioning which is almost starting.
2	Kanyango Primary School at Kalama	01°37'21"S 37°19'18"E	Makueni	Community	
3	Matooi at Nzau in	S-02°00'39.1" E-037°31'37.5"	Makueni	Community	The B/H was complete but was washed away by floods during the Elnino rains. Reconstruction done to completion. Commissioning will be done on 12/07/2017 then training will be done later.

- All the 3 boreholes were drilled and are equipped with solar pumps