



Laikipia

The official newsletter of the County Government of Laikipia

WEEKLY
BULLETIN

Laikipia Has Made 1,400 Kilometres of Road in 22 Months

While presiding over the opening ceremony of Amani primary school in Laikipia North last week, West Pokot governor John Lunyangapuo recognized his host Governor Ndiritu Muriithi particularly for being innovative. Staring at a network of 7,000 kilometres of roads in need of rehabilitation, the ever inadequate resources and intermittent disbursement of equitable share allocation by the National Treasury, Governor Ndiritu Muriithi turned to leasing to cover more kilometres.

By June 30, 2021, a record 1,370 kilometres had been improved under the Laikipia Leasing programme. The model uses road construction brigades. From this month the county will increase the brigades to five from the initial two after receiving additional equipment and plants. This means rehabilitation of roads in Laikipia will move at a faster pace as each brigade will be expected to cover three wards.

Governor Lunyangapuo will be sending a team to study the Laikipia model of leasing for application in his county. In this particular issue we have listed the roads and works done under the programme between September 2019 to May 2021. There are many more kilometres that have been rehabilitated between June and July which we have not captured in this report. Also Salama, Ol Moran, Sosian and some roads in Marmanet which were the initial beneficiaries of the programme have not been listed in this specific report. We'll capture them in our later reports.

Umande Ward

Road improvement work in this ward commenced on 2nd April 2020. Heavy rains experienced since the 17th April 2020 momentarily stopped the work until 14th May 2020. Recent rains also experienced from the 6th June – 20th June 2020 have also slowed down the works. An additional 8.5 Km of graded and gravel roads were added in the financial year 2020/2021 thus resulting to a total of 29.5 Km and 25.55 Km of road were rehabilitated through grading and graveling respectively. The specific rehabilitated roads are listed below as follows:

- Mama Mathenge – World Vision – 1.7 Km (grading and gravelling)
- Umande - Munyi (Umande Centre)– 0.4 Km (grading and gravelling)
- Kongosisi rd – 0.2 km (grading and gravelling)
- Mwereri centre – 0.2 km (grading and gravelling)
- Nyarigino – Road 2000 - 1.7 km (grading and gravelling)
- Murungai Primary - Road 2000 – 4 km (grading) and 3.7 km (gravelling)
- Mwireri police post – world vision - 1 km (grading and gravelling)
- Karobia - Mbaitire rd – 1.9 km (grading and gravelling)
- Road 2000 - Quarry – 7.7 Km (grading and

- graveling)
- Mugumo Road – 0.2 Km (grading and gravelling)
- Murungai Secondary – Road 2000 – 0.6 Km (grading and gravelling)
- Mathagiroad – 0.5 Km (grading) and 0.6 Km (gravelling)
- Nginyii road – 2.2 Km (grading) and 2 Km (gravelling)
- Quarry – Tetu Pentecostal – 2.2 km (grading) and 2 Km (gravelling)
- Mahigaini – Full gospel – 1 Km (grading) and 0.85 Km (gravelling)
- Mwireri - Muchwiri rd - 0.6 Km (grading and gravelling)
- Nginyii Bridge Emergency works – 0.2 Km (gravelling)
- Kalalu – Methodist – 1.95 Km (grading)
- Tetu - Murungi rd – Independent church - 0.45 Km (grading)
- Tetu shopping centre - Tetu primary school – 1 km (grading)

In addition to the above roads, the fuel drawn from Umande ward also achieved the following in response to emergency works as a result of Laikipia County's response to Covid – 19 in the financial year 2019/2020.

- Baraka dispensary - 0.5 Km (grading) and 0.1 km (spot gravelling)
- Nanyuki Teaching and Referral Hospital – 0.5 Km graded length of parking area.

Thingithu Ward

Road improvement work in this ward commenced on 16th June 2020, and was conducted through Private – Public partnership between the County Government of Laikipia and Ol – Pejeta Ranch. An additional 13.1 Km of gravel and 16.25 Km of graded roads was added in the financial year 2020/2021 thus resulting in a total of 23.85Km and 19.8Km of road were rehabilitated through grading and graveling respectively. Specific graded and graveled roads under leasing program are listed below as follows:

- Sweet Waters – Ol – Pejeta Conservancy gate – 6.9 Km (grading) and 6.4 Km (gravelling)
- Mburugutia Road – 0.4 Km (grading and gravelling)
- Container Road – 1.8 km (Grading and Gravelling)
- Njogu-ini Road – 4.5 Km (Grading and Gravelling)
- Ndirangu Road – 1.7 km (Grading and Gravelling)
- Kamindo Road – 2.1 km (Grading and gravelling)
- Mr Karuiya Road- 1 km (Grading and Gravelled)
- Queen Inn-1.0km(emergency) (Grading and gravelling)
- Full gospel road-0.6km) (Grading and gravelling)
- Mwai Tosha road -1.5km (Rehabilitation)
- Gud road - 2.2km (Grading)
- Ruai (behind PEFA) – 0.6 Km (Grading)
- Stadium – Nanyuki mortuary – 0.45 Km (Grading)

Mukogodo East Ward

Road improvement work in this ward commenced on 17th June 2020. The road works were significantly affected by heavy rains since 9th July 2020 thus leading to a halt in construction works. Works resumed in early September 2020. A total of 16.5 Km of graveled and 28.3 Km of graded roads and opened roads respectively. The specific rehabilitated roads are listed below as follows:

- Rotasha Road – 2.4 Km (grading and graveling)

- Timau Catholic – East Laikipia Dispensary Road; 4.8 Km (grading) and 4.2 Km (gravelling)
- Mia Moja rd – Kirurumo Rd - 5.2 Km (Grading) and 4Km (Gravelling)
- PCEA Ethi – Kiriko Rd – 3.6 Km (Grading and Gravelling)
- Christian Rd – 0.6 Km (Grading and Gravelling)
- Boran Main Rd – PCEA Kiriko Rd – 1.3 Km (Grading and Gravelling)
- Ha Waigwa – Ethi Primary – 0.6 Km (Grading and Gravelling)
- Ethi dispensary & Ethi Secondary & Ethi Police Post – 0.3 Km (Grading and Graveling)
- Chief – Catholic - PCEA Road – 1.9 Km (Grading) and 0.10Km (Spot gravelling)
- Kamuthanga rd – 1 Km (Grading)
- Cannan rd – Jikaze Rd - 1 km (Grading)
- Kahira rd – 1.2 km (Grading)
- Graton road – Ha Moses - 1 Km (Road Opening)
- Graton Centre – Graton Primary – 1 Km (Road Opening)
- Kamuthanga – Laikipia East Dispensary– 3.5 Km (Road Opening)
- Kahira – Foot bridges – Kio – 0.8 Km (Road Opening)

Segera ward

A total of 33.75 Km and 18.25 Km of road were rehabilitated through grading and graveling respectively. The specific rehabilitated roads are listed below as follows:

- Ol - Pejeta Ranch – Marura Bridge - 6.6 Km (Grading) and 5.2 Km (Gravelling)
- Jua-kali Tarmac – Maiyan – Mukima rd – 7 Km (Grading and Gravelling)
- River Breeze Primary – Maiyan Main – 0.4 Km (Grading)
- Maiyan Main – Habitat Borehole – 0.6 Km (Grading)
- Maiyan Main – Laikipia Permaculture – 0.7 Km (Grading)
- Doldol Main Road - Naibor Secondary – 0.7 Km (Grading & Graveling)
- Juakali – Majengo (Ghetto) – 0.2 Km (Grading)
- Jua Kali center roads 2.2 Km (Grading)
- Mukima Gitero Road 3.2 km (Grading & Graveling)
- Mukima – Chief Office- Mukima Catholic 1.7 Km (Grading and Graveling)
- Mukima road-Mukima Catholic road 0.7 Km (Grading)
- Mukima Quarry road 0.2 Km (Grading & Graveling)
- Ndaraja Road 0.8 Km (Grading & Graveling)
- Masaii Kwa Mwaura road 1.9 KM

(Grading) 0.2 Km (Graveling)

- Enai Road 1.5 Km (Grading)
- Proposed Mukima Boys road 2.1 Km (Grading & Graveling)
- Grading and Levelling of Naibor Stadium
- Maiyan Main- Quarry road 0.4 Km (grading)

Nanyuki ward

Road improvement work in this ward commenced on 21st September 2020. A total of 34.45km and 26.8 Km of roads has been graded and graveled respectively to date. The specific graded/opened roads are listed below as follows:

- Temple Mount – Kirunyu Road – 2.8 Km (Grading) and 0.45 Km (graveling)
- St Jude – Dam - Nkando Primary – 3.3 Km (Grading and Gravelling)
- Runyenje Rd – 1.1 Km (Grading and Graveling)
- Muthamia Rd – 2.3 Km (Grading and Graveling)
- Wa Kabiru Rd - 1.6 Km (Grading and Graveling)
- Rev Mwaniki Rd – 0.75 Km (Grading and Gravelling)
- Salim Rd – 1.1Km (Grading) and 1.1 Km (Gravelling)
- Ha Milkah Rds – 0.9 Km (Grading) and 0.75 Km (Gravelling)
- Lillian Rds – 1 Km (Grading) and 0.3 Km (Gravelling)
- Kasisi Access Road – 0.25 Km (Grading)
- Mukuri Main Road – 1.8 Km (Grading)
- Wa – Mutungu – Shosho Karis - 1.4 Km (Grading)
- Head Master Nguyo Rd – 0.7 Km (Grading & Graveling)
- Kamau – Mungai Rd – 0.7 Km (Grading and Graveling)
- Maina - Manderu Rd – 0.9 Km (Graded and Graveled)
- Murigu Rd – 0.3 Km (Grading)
- 0.3 Km of spot-patching works was carried out around Sportsman's arms hotel in Nanyuki ward.
- Kenya Fibre roads 2.3 Km (Grading & Graveling)
- Mama Mburu road 1.5 Km (Grading and Graveling)
- Kihono road 1.2km (Grading and Graveling)
- Lilian Road-1.8km (Grading and Graveling)
- Likii ngima roads-1km (Grading and Graveling)
- Njungle master road-0.2km (Grading and Graveling)
- Mwika road-0.4km (Grading and Graveling)
- Teacher karuri road-0.3km (Grading and Graveling)
- Mama mukungi road-0.3km (Grading and Graveling)
- Gichimo road-1km (Grading and Graveling)
- Bus park (Area 52mx31.5m & 9mx12m) (Grading and Graveling)
- Bishop Waiguru Road 0.7 Km (Grading)



Njoguini Road, Thingithu ward after gravelling

Igwamiti ward

Road improvement work in this ward commenced on 3rd August 2020. A total of 41.9 Km and 77.7 Km of roads has been graveled and graded respectively to date. An additional 14 Km of roads have been further opened. The specific graded/opened roads are listed below as follows:

- Karuga – Karume Road – 0.6 Km (Grading and gravelling)
- Karuga - Action Praise Road – 2.6 km (Grading and gravelling)
- Teacher Mbochi - Heroes Road– 1 Km (Grading and gravelling)
- Gitangi – Bethiel Primary Road - 2.1 Km (Grading and gravelling)
- Kamatu – Mr. Muchendu's Road – 0.4 km (Grading and gravelling)
- Mamboleo Estate Road – 2.8 Km (Grading and gravelling)
- Maina Village Roads – 3.6 Km (Grading and gravelling)
- Ol Jabet Hospital – Siberia Road – 0.6 Km (Grading and Gravelling)
- Nyumba Tatu – Kamukunji – Nanok Road – 0.6 Km (Grading and gravelling)
- Dorcas road to mbarakira road- 4.2km (grading and gravelling)
- Chairman road-0.9km (grading and gravelling)
- Nanok quarry road-0.8km (grading and graveling)
- Kigumo Road-2.1km (grading and gravelling)
- Mbarakira-Step Inn-Table land - 6.4 km (Grading and gravelling)
- Karangi road - 2.1km (Grading and Gravelling)
- Table land- Shemani road-5.3km (Grading and gravelling)
- Rwathia road- 5.4km (Grading and gravelling)
- ACK Rwathia -1.4km(grading and gravelling)
- Rwathia –Marmanet-2km(grading)
- Nanok – Bethieli Primary School Junction – 3km (Grading)
- Losogwa Quarry – Kigumo Forest – 1.8 km (Grading)
- Maureen Academy – Dam – 0.9 Km (Grading)
- Rev. Kamiru Rd (Losogwa) – 0.3 Km (Grading)
- Mariakani Junction – Siberia Cemetery – 0.3 Km (Grading)
- Mili Saba Road – Shirikisho Road – 0.5 Km (Grading)
- Kwa Wanjiku Road – 2.5 Km (Grading)
- Kaichakun Road – 3 Km (Road Opening)

- Old Kundarira – Wambiro Rd – 4 Km (Road Opening)
- Kundarira – Kanga C Rd – 1.2 Km (Road Opening)
- Wandugire – Mukuruweine – Kianugu Rd – 4 Km (Road Opening)
- Sirare Primary (Tarmac) – Forest – 1 Km (Road Opening)
- Sirare Primary – Pencil – 0.8 Km (Road Opening)
- Gatero Area
- Kachanja-Kanga wajera road-1.2km
- Kachanja to kanga c road-1.1km
- Kanga c junction –mbucho road-0.7km
- Mathu road-0.5km
- Kundarira pcea-wilson road-1.4km
- Kangawabiro road-0.9km
- Wahome kichache - Mukurweni road-1.8km
- Kianongo road-2.5km
- Stock theft road-1.3km
- Gakenge senior-shirikisho road-1.4km
- Maina eng-wangujiri road-0.7km
- Munugu catholic road kundarira-0.5km
- Full gospel road -0.6km
- Munanda road-2km
- Kamawera road-0.5km
- Munanda-wakorino church road-0.2km
- Munanda –guthero road-0.9km
- Judge road-0.7km
- Kaiti-Gituamba road-1.8km
- Full gospel-kundarira day road-3.0km
- Muthengera road-0.8km

In addition to the above roads, the leasing program has supported the on-going Civil works program at Jua Kali whereby 55 trucks of murrum material were delivered to raise the road surface level for road 2000.

Rumuruti Ward

Road improvement work in this ward commenced on 25th September 2020. A total of 6.8 Km of roads has been graded to date. The specific graded/opened roads are listed below as follows:

- Rumuruti – Hospital Road – 0.6 Km
- Kiambiriria – Annex - 1.3 Km
- Mbora - Hospital – 2.2 Km
- Rumuruti KAG Church – 1.4 Km
- Runda – Westland – 1.3 Km
- Muthaiga Rd – 1.6 Km
- Westland Rd – 2.1 Km
- Muthaiga Villa Rd – 1.4 Km
- Elevated Tank Rd – 1.7 Km

Ngobit Ward

Road improvement work in this ward commenced on 18th August 2020. A total of 43.1 Km and 65.6 Km of roads has been graveled and graded to date.

The specific rehabilitated roads are as follows:

- Withare - Kahuroko – 4.7 Km
- Ngobit – Githira rd - 1 Km
- Ngobit - Kariguini – 0.8 Km
- Kariguini – Njore road – 1.2 km
- Kariguini – Mario road – 1.5 Km
- Kariguini Nginga road – 1.8 Km
- Kariguini – Singona – 1.4 Km
- Kariguini – Serem - 1.6 Km
- Kariguini – Warugongo – 1.4 Km
- Kariguini – Naturuchi Primary – 1.6 Km
- Kariguini – RC Mario – 1.5 Km
- Kijabe School to Kijambe Main 0.7 Km
- Wyumererie – Shalom – 1.9 Km
- Makutano – Sukurui Rd – 2.1 Km
- Makutano - Comic – Kandarasha Rd – 1.8 Km
- Kahuruko – Githira Road 5 Km
- Kijabe- Githira Access road 1.7 Km
- Kijambe Main road – Waithera center 12 Km
- Githira Shopping center Access roads 0.4 Km
- Withare – Borrow Pit 1.1 Km

- Wanyeki –gichungu road-2.5km
- Main matopeni-nine one road-7.2km
- Nganoini raod-3.9km (Grading and Graveling)
- Ball pit road – 0.9 km (Grading and Graveling)
- Kianoge road- 1.4 km (Grading and graveling)
- Kahuruko Main road – 0.4 km (Grading and graveling)

Marmaret Ward

In the financial year 2020/2021, a total of 21.8Km of roads have been graded in Marmaret ward. The specific rehabilitated roads are:

- Ngombe Moja – AP Post (Ndagara) Road – 4 Km
- Mugongo - IDP Road – 1.9 Km
- Muguongo – Rumuruti Border Road – 1.8 Km
- Plot for sale road-2km
- Munyu pry road-2km
- Gathwara road-1.6km
- Murichu road-1.3km
- Murichu pry-tarmac road-1.4km
- Forest road-2km
- Muhotetu junior school road-1.6km
- Muhotetu junior junction road-2.2km

Githiga ward

Road improvement work in this ward commenced on 09th March 2021. A total of 13.8km and 10Km of roads has been graded and graveled to date. The specific graded/opened roads and graveled are listed below as follows:

- Gaitho road-0.9km (grading and graveled) 2.2km (grading)
- Murage Igoko road- 2.3km (graded and

- graveled)
- Baba nduati –kamuru road-3.0km (graded and graveled)
- Mutaiga road kinamba-0.5km (graded and graveled)
- Kinyua karani road-0.5km(graded and graveled)
- Wilson to kieni police post-1.6km (graveled) -2.1km(grading)
- PCEA Road-0.5km (graveled)
- Kawanja sec road=0.7km(graveled-2.1km(grading)
- Destiny road-0.3km(grading)
- Kariane pry road-0.3km(grading)

Tigithi Ward

Road improvement work in this ward commenced on 19th June 2020. An additional 35.99 Km of gravel and 60.34 km of graded roads was added in the financial year 2020/2021 thus resulting to a total of 127.79km Km and 43.19km of road were rehabilitated through grading and graveling respectively. The specific graded/opened roads are listed below as follows:

Solio Village 1

- Male – Matanya Road – 1.4 Km
- Male – Solio Village Road – 0.5 Km
- Kagwirii – Wasoro Road – 1.2 Km
- Muugu – Furaha Nursery School – 1.2 Km
- Rwimbo -Gathua Road – 1.2 Km
- Bore Hole Ring Roads – 5.9 Km
- Borehole – Rwimbo - Gatheia Roads – 3.7 Km

Solio Village 2

- Thumbi – Gicheru – 1.5 Km
- Kangema – Mukamuru – 1.2 km
- Miano – Bagichi – 1.2 km
- Karwe – 4 Acres – 0.3 Km
- Kahiti – Bilalu – 1 km
- Muchina – Tarmac – 1.3 km



Kariguini – Singoni Road Before and After Road Opening

- Mama Regina – Solio Primary – Independent – 0.9 km
- Mama Regina – Ha Kuria – 0.5 km
- Ha Kuria – Solio Primary – Karue – 1 km
- Gichinga – Muchina - 0.87 Km
- Stwiri – Muchina – 0.84 Km
- Maina – Tarmac – 0.1 Km
- Thitu – Ndururi - Tarmac – 0.1 Km
- Maina Road – 0.1 Km
- Tarmac – Mukamiro – Tarmac – 1.4 Km
- Mwihaki – Kinyua Karuri – 0.35 Km
- Mama Isaiah – Kirumba – 0.35 Km
- Githae – Kiriko – 0.35 Km
- Kimiti – Matu – 0.35 Km
- Wanjohi – Wangui Njagi – 0.35 Km
- Ha Macharia – Rehema – 0.45 Km
- Thutu - Commercial Plot – 0.15 Km
- Jeremiah - Posho Mill – 0.35 Km

Solio Village 6

- PCEA -Macadamia Primary Road – 1.7 Km
- AIPCEA Road – 2 Km

Solio Village 7

- Solio--Baraka—1.7Km
- Baraka—Bridge—1.5 Km
- Junction—Bore Hole –1Km
- Borehole Road—1.7Km

Castle Area

- ACK– Castle Road—2 Km
- Train View—1.4 Km
- Wahome-Poster Road-1.9 Km
- Castle estate Road– 1.7 Km

Kihato Area

- Saverio Road – 1.9 Km

Chuma Area

- Kinyua -Waria – Speaker – Chuma – 7.9 Km (Grading), 2.7 Km (Gravel)
- Muthura – Kahuni Road – 3.4 Km (Grading)

Matanya Area

- Kamureshi Road-1.95Km Graded 0.15 Km graveled
- Wachanga Road-1.9Km
- Wanguthiro-Matanya-2.4 Km
- Catholic Waguthiru-0.3 Km Graded and graveled
- Chaka-Reli-Waguthiru ECDE 1.5 Km graded and graveled
- Wanaruona-weruine -1.4 km graded and graveled
- Weruini Primary Junction-Matanya dispensary-0.9km graded and graveled
- Matanya dispensary-Kibobongi primary- 3.9 km graded and graveled
- VG Bridge road-1 km graded and graveled
- Wanguthiro nursery-Iroko -3.3 Km graded and graveled
- Main Matanya-adams school- 0.6 km
- Matanya Junction-railway- 3.5 km graded and graveled
- Branch road 0.3 km
- Junction- Iriuko-Iriuko primary-0.4 km graded and graveled
- Junction Iriuko- daktari road-0.3 km

- graded and graveled
- Wagithiro secondary-Matanya catholic-0.8 km graded and graveled
- Matanya police post-Matanya Main road-0.7 km graded and graveled
- Kalalu PCEA-ACC office-1.5 km graded and graveled
- Upper street – 0.9 km graded and graveled
- Lower street-0.6 km graded and graveled
- Matanya-Jesus winner -2.5 km
- Waguthiru-Irioko- 1.8 km
- Irioko-River-Mwea- 2.2km
- Matanya-waguthiru Road 2.4 km graded and graveled
- Irioko-Wagiuthiro road -3.5 km graded and graveled
- Kamburi-weruini primary- 2.1 km graded
- Matanya Catholic- Thamagwa village 1.9 km
- Karonji Road-0.4km graded
- Goshen road-1.6km graded
- Magana to railway-1.5 km
- Chaka reli junction-0.3km
- Baba Kimotho road-2km graded
- John Horse road-0.7km graded
- Kimani road-0.5 km graded
- Waguthiu river road-0.8 km graded

Lamuria

- Karai-Nyakio day sec-gatangi wakinya dam-4.8km (grading and graveled)
- Nyakio day-mtetezi road- 3.7 km grading and graveled
- Tigithi ward-Ngobit ward boarder road-1.7 km grading and graveled
- Kwa Tumuti-Kaforty road (matanya)-2.0km grading
- Wanjenga-Muiru road Thome-2.0km grading
- Railway-Ihigaini-mukuri road- 4.7km (opening and formation)
- Cat farm road-0.8 (opening and formation)
- Philip road-0.7km (opening and formation)

Heavy down pour resulted in emergency works on the Nanyuki – Matanya road in Tigithi ward from the 1st – 13th May 2020. 1.7 Km and 0.95 Km were graded and graveled respectively on this road section.



Kagwiri - Wasoro Road Before and After



Samped Borehole - Ring Roads



Nyakinyua karai secondary school Road before and after compaction



Chuma Centre

New Ngobit Dispensary OP Block Creates Room for More Services



By Spranza Njoki

Governor Ndiritu Muriithi commissioned the construction of Ngobit Dispensary outpatient block on 13th February 2021.

So far it is complete and awaiting to be handed

over to the community for utilization.

The outpatient block will bring integrated health services to the community as the government makes efforts to increase access to quality and affordable healthcare.

Completion of this block paves the way for services like inpatient and comprehensive maternity services in the old building with a little renovations. This will be a stop-gap measure while awaiting the construction of a new maternity block. The community is happy with the efforts shown by the government towards improvement of general health services especially strengthening of primary health facilities.

Currently the facility serves an average 60 outpatients per day. With the new block the health workers expect an increase in the number of people visiting the dispensary for outpatient services and other services.

Strategies to ensure proper service delivery include: operating for 24 hours, deploying more staff, ensure availability of essential drugs to cater for both communicable and non-communicable diseases and putting in place a practical referral system.



Beadworks SMEs Trained on Enterprise Development

By Paul ole Kimiri

Directorate of Tourism together with World Vision trained seven community groups under their umbrella Beadwork Self Help groups comprising of 127 women on how to improve their beadwork activities.

The goal is to improve their skills in digital space and offer them opportunity to engage with various stakeholders in the industry to market their products. It also sought to assist the groups in formulating their businesses to make them more attractive and increase their sales.

They were advised on the process of reg-

istering and getting licenses from the national and county governments, access to social security for the business owner and their employees and how to comply with the legal framework, including tax, social security and Labour laws.

The groups were trained on issues of digital marketing, financial literacy and business financing, customer service, formalization of business and book keeping.

The beadwork self-help groups included Kimanjo leather work group, Twala cultural centre, Doldol Naserian CBO, Namaiyana cultural centre, Osguroi cultural centre, Nalepo Ositat women group and



Namunyak beaders.

To directorate will assist the groups promote and market their products through the social media platforms. Tourism officers will assist the groups in managing the pages for a period of three months.

From Beautiful and Business-Friendly Nanyuki, Vazikali Reaches Out to the World

By Muriithi John

Due to the huge market provided by its large population, Nairobi City would ordinarily be the place for any SMEs focusing on growth to set shop. But not so for Peninnah Wambui the director of Vazikali21, a startup dealing in fashion and interior décor.

Leverage on new media technology to expand its markets, the firm relocated from Nairobi to Nanyuki three years ago to enjoy friendly business environment created by the government under the smart towns initiative.

Having graduated in 2014 with Bachelor of Arts Commerce in Marketing, Wambui capitalizes on social media platforms to promote her products. She is well versed with ways of advertising her business at a minimal cost without.

"I usually post on my social media platforms. I strive to post two to three adverts every week to put my brand out there. Some people like what they see and make their orders and then I dispatch using various channels," said the Vazikali21 owner.

Vazikali21 usually has soft furnishing and ready-made pieces of clothing of different sizes to deliver on demand. The business also deals in made-to-order where Ms Wambui or her employee

takes up the customers' measurements to produce a customized clothing in terms of design and fabric

Good business environment and the fresh air in Nanyuki is what attracted her to relocate her shop from Nairobi to Nanyuki.

"Nanyuki's environment is conducive for doing business and to live in for the rest of your life. Again I realized a market gap for my products in the area which made me open the shop there," Wambui added.

The county government has deliberately been improving the business environment across the county to attract more investors. Through the Smart Towns Initiative, many towns in the county are undergoing planning and complete makeover while factoring street lighting for extended working hours, better roads with pedestrian and cyclists walkways, street addressing system, smart and secure parking spaces, among others.

Wambui who began her business while still in campus says her first clientele

were her fellow colleagues. This was after she realized a lack of well-designed and good-fitting clothes in the wide range of mitumba clothing.

"I could not get exactly what I wanted from the mitumba clothes which made me realize a gap and work towards filling it. I could not find clothes of my size which prompted me to start making clothes according to ones' size," said Wambui.

Her fashion work is self-taught which she has continued perfecting since 2013.

Her business deals in a variety of clothing and designs like corporate/school uniforms, clothes for men, women and kids, bags, sandals, maasai and kanga fleece blankets, lampshades and lampstands, pillows, cushions, table mats, curtains, aprons oven gloves. All the materials for her work are sourced within the country. Lack of fabrics at a wholesale price is an opportunity that Wambui says exists in Nanyuki. The available sellers trade the materials based on the number of metres which is



costly. Therefore, there still exists a business opportunity within the county for a person to provide such fabric in wholesale. Wambui has six tailors and one person who runs the shop in Nanyuki town. The entrepreneur who is in the Laikipia Innovation and Enterprise Development programme has one shop but intends to expand and open more outlets in the next couple of years. She also looks forward to having people under her wing to train them on what she is doing. Contact Peninah Wambui on 0798418689
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Maggots Changing Nanyuki's Game in Organic Waste Management

By Edison Monda

Greystones Development Ltd which is operating at Turaco Farm in Umande Ward is undertaking maggot cultivation composting them into animal feed and biomass.

The undertaking involves culturing black soldier flies to lay eggs in dry cracks and crevices adjacent to a feed source of valorized organic matter.

The firm collects black soldier flies from market centers then incubates them for three days to hatch larvae. Greystones Development Ltd saw the niche in protein supplements for poultry and fish, as well as calcium for fish.

The popularity of bugs as an alternate source of protein is rapidly growing, with a solid demand around the globe. Thanks to great nutritional value and environmentally friendly raising conditions. An example is the black soldier fly (BSF) which feeds on dead organic materials that cannot produce its own food. BSF converts organic waste into aquaculture and animal feeds.

Greystones Development Ltd embarked on black soldier fly larvae rearing. The County Department of Water, Environment and Natural Resources helps the company approach and collect organic waste from the market centers within Nanyuki town.

Currently, the company collects roughly two tons of organic waste and transports it to Tambuzi. Here, the organic waste is valorized with high solids enzymatic hydrolysis catalysed to produce concentrated sugars free from acidity. The two tons collected from the Nanyuki market daily are subjected to the darkroom. The black soldier flies are then introduced into the decomposing organic waste. They are scavengers and thrive on many kinds of decomposing organic matter, including al-



A staff at Greystones Development Ltd show hatch maggot eggs at turaco Farm, in Umande ward

gae, carrion, and compost heaps, manure, mold, plant refuse, and the waste products of beehives.

Within four days, the adult fly lays over 500 eggs. The larvae stage lasts 18-36 days, depending on the food substrate provided after which, the pre-pupil stage lasts for seven days. The pupil stage lasts for a week, and out of the two tons, 10 tons of rich protein and calcium are realized.

Their large and powerful chewing mouthparts, allow them to shred and devour waste. These gluttonous little creatures can digest organic compounds before the compounds have time to decompose, thereby immediately eliminating odor. The black soldier fly larva's digestive system leaves behind a fraction of the original weight and volume of waste.

Environmental impact

Conversion of organic waste by larvae of the

black soldier fly, versatile pre-pupae, is an interesting recycling technology with a potential to give waste the synergy of the cradle to cradle economy.

Once the eggs are hatched within the waste, larvae start to feed on the waste, thus achieving a dry mass volume waste reduction of 55%. Due to high larval densities and the insatiable appetite of the larvae, fresh material is processed extremely fast, and bacteria growth is inhibited or controlled, thereby reducing the production of bad odor to a minimum. This will significantly reduce waste volumes in our urban centers, where inappropriate sanitation accounts for dangerous sources of pathogens.

The two tons of organic waste from markets collected by Greystones, is way below the demand to produce 10 tons of manure and chicken feed. They supplement the demand with crushed bones and over-ripened tomatoes which are not mostly preferred because of their acidity, and tomato fruit fly. The larva's eating style discourages the development of pest flies. As large populations of black soldier fly larvae churn manure, they make it more liquid and less suitable for, not only egg by the pest fly, but also the actual development of the pest fly's larvae, thus reducing them substantially.

The plan for the company is to collect 55 tons of organic waste per day from the market centers, estates, and dumpsites to meet their demand for production of over 1.6 tons of feed and manure within the next six months which will increase exponentially in the same phase scale until its peak on the 18th month.

- Mr Monda is an environment officer in the County Department of Water, Environment and Natural Resources



Laikipia, NLC in Strategy to Streamline Land Issues

The County Government of Laikipia will work together with National Lands Commission (NLC) to streamline land issues in Laikipia.

While paying a courtesy call to H.E Governor Ndiritu Muriithi, NLC Commissioner Reginald Okumu said that the commission would work with the county on three major land issues.

These include mapping of community land and resources, preparation of community land appraisal and development of a tool for monitoring land rights.

“We discussed with the governor on land issues in Laikipia to see how best we can deal with issues of grabbed lands, spatial planning,” Commissioner Okumu said.

The commissioner noted that there have been rampant fraudulent activities in Laikipia, particularly on riparian land where land is illegally planned and allocated.

He added that the commission is seeking well-planned land in Laikipia in partnership with the county government to facilitate development.

“As a commission, we are committed to ensuring land planning within Laikipia and country-

wide is used for the purpose it was meant for,” said Commissioner Okumu.

Governor Muriithi said that his administration has improved the land registry and is digitizing records to make it easier for access by everyone dealing in land matters. So far the county has been able to digitize 5,000 land index maps and 1600 part development plans (PDPs).

He asked individuals dealing in lands to follow the law to reduce fraudulent cases occurring, while adding that the county is working with investigative arms of the government to prosecute such cases.

“We continue with investigation and prosecution of people involved in land fraud because it is our constitutional responsibility to safeguard public land,” Governor Muriithi said.



Governor Ndiritu Muriithi and a team from NLC inspecting a PDP during the courtesy call

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