



KITWE VOCCATIONAL TRAINING CENTRE (KVTC)

**NOVEMBER IN-HOUSE EXCAVATOR OPERATIONS
TRAINING OF TRAINERS
REPORT – 05
30/11/23**

INTRODUCTION

The main purpose of the in-house excavator operations Training of Trainers (TOT) is to equip five (5) KVTC trainers with practical experience in operating excavator. This preparation aims to enhance their hands-on skills and readiness to effectively train beneficiaries once their training begins. The in-house excavator TOT is conducted at KVTC and overseen by two experienced excavator operators, referred to as master trainers.

The TOT program consists of a series of practical exercises that each trainer is expected to complete. This training is ongoing from July 15th to December 31st, 2023. The training objectives encompass:

- Control familiarization,
- Excavator positioning,
- Coordination of the movements of the boom arm and bucket,
- Climbing / descending,
- Trenching and loading on-to dump truck,
- Ramp building,
- Trench crossing,
- Climbing on the higher-high platform & Descending,
- Traveling using pedals with an idler component in front always & smooth tuning.

NOVEMBER IN-HOUSE TOT

The November in-house TOT program took place from 1st November to 30th November 2023. The exercise was based on the following:

1. Excavator positioning and coordination of the movements of the boom arm and bucket
2. Trench crossing
3. Loading in actual dump truck

FACILITATORS

The In-house training was conducted by the following;

S #	NAME	Title
1	Ms. Emily Mumba	Master Trainer
2	Mr. Hasford Silwamba	Master Trainer

PARTICIPATION

Participants of the In-house training was as follows;

S #	NAME	Title	# of Minutes Trained
1	Mr. Oswald Kabwela	Trainer	280 ¹ Minutes
2	Mr. Bernard Simumba	Trainer	280 Minutes
3	Mr. Harry. S. Sianziba	Trainer	280 Minutes
4	Mr. Freddie Mulenga	Trainer	Carried Forward ²
5	Mr. Henry Tasila Sakala	Trainer	280 Minutes

TRAINING PROCEEDINGS

In November, our in-house training program seamlessly continued from October, revisiting certain exercises due to the lagging progress of some trainees. The emphasis remained on mastering trench crossing, excavator positioning and coordination, as well as loading into an actual dump truck. This training occurred during the first, second, and fifth weeks of November 2023. Unfortunately, approximately two weeks of training had to be skipped in November as the master trainers were obligated to attend a training session in Japan.

Nevertheless, despite the missed days, the following exercises were covered in November:

- Excavator Positioning and Coordination: This exercise was repeated with the goal of achieving optimal machine operation efficiency.
- Loading into Actual Dump Truck: this focused on ensuring that the swing rotation to reach the dump truck is at the preferred number of degrees of rotation and also ensure that the bucket is at the preferred number of meters above the truck pan.
- Trench Crossing: Following incomplete success in October, this exercise was revisited. The key steps involved balancing the tracks by adjusting the arm's position, lifting the tracks 2 inches high in the front, advancing the travel pedals forward while keeping the arm stationary, and, after the tracks touched the trench's edge by 1 meter, swinging the boom to the other side, repositioning the arm, and pushing forward.

Due to the missed training minutes and exercises in November, a plan is in place to cover them in the upcoming December in-house training sessions.

MATERIALS ACQUIRED

- Radio message (1 set)
- Fire extinguisher (9.4 KG)

¹ Due to the ToT in Japan that took place from 11-19 November facilitated by HCMJ for master trainers, they were unavailable to conduct the 400 minutes per trainer target as per the schedule, hence it has been re-scheduled to carry over to the next month

² Due to commitments with other national duties and personal, the trainer was unavailable for the practice and has been re-scheduled to complete the exercises as a carry over to the next month.

- ✦ First Aid Kit
- ✦ Hand pump
- ✦ Grease (15 liters)
- ✦ Degreaser (25 liters)
- ✦ Tools Box (lite duty)
- ✦ Soft Brooms
- ✦ Paint Brushes
- ✦ Barricading Tapes
- ✦ Grease Gun (12KG)
- ✦ Electric Diesel Pump
- ✦ Cons
- ✦ Drums

CHALLENGES

- Trainer unavailability due to other national duties and personal commitments
- Master trainer unavailability due to other national duties (attended a ToT in Japan) affecting the set target goal of 400 minutes of training per trainer.

RECOMMENDATIONS

- To compensate for the missed training minutes and exercises in November, there is a plan in place to cover them during the upcoming December in-house training sessions.

CONCLUSION

Overall, the in-house training program was completed for the month of November and accorded the trainers with the opportunity to acquire essential hands-on skills that will boost their confidence in effectively transferring skills to excavator students once the training course is officially launched. This training effort significantly contributes to the overall growth and advancement of KVTC.

PHOTO FOCUS



Loading in truck



Trench crossing



Excavator positioning and coordination