

Module: 2	Practical training on the demonstration road	Duration – 2 weeks
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The objectives of the practical training on the demonstration road is to provide the site supervisors with an opportunity to practically apply the knowledge and skills learned in a real-life contract but still under supervision by the training providers.

During this stage mentorship and guidance is given to ensure the works are carried out to the required standards and that all the required proper business management ethics are followed.

The supervisors will be required to:-

- Plan and execute all the activities
- Carry out quality control tests
- Make work approval requests
- Carryout joint measurement of works approved works
- Prepare interim payment certificates
- Prepare progress Reports

Also, during this period, the site supervisors' participants will be expected to produce a resource-based work programme for the works

Only those Site Supervisors who will have successfully completed the practical training on the demonstration contracts will be awarded completion certificates.



**KENYA RURAL ROADS AUTHORITY
IMPLEMENTATION OF ARID AND SEMI ARID
LANDS (ASAL) RURAL ROADS PROJECT**



**CURRICULUM/SYLLABUSFOR
TRAINING OF**

**LOW VOLUME SEAL ROAD CONTRACTORS
(2024)**

(i). Managing Directors' Course (25 No.)

(ii). Site Supervisors' Course (50 No.)

Egis (K) / Egis (I) /Norken Int Ltd
Joint Venture - The Priory 5th
Floor Argwings Kodhek Road
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Low Volume Seal Roads Contractors - Directors Course – 3 weeks

The selected participants consist of owners of small enterprises registered under the Companies Act and also registered with the National Construction Authority under Categories 5 or 6 or 7.

The objective is to provide them with the knowledge and skills on procedures for sealing roads to bitumen standards using labour-based methods; required equipment and the cost implications of the whole operation.

This is **3 weeks course** consists of 2-week classroom modules followed by a **1-week** practical training on the demonstration road in Isiolo as briefly described in the following section.

Entry:

Entry will be on invitation for prequalification in the press.

Requirements:

1. Contracting firms must be currently registered with National Construction Authority - NCA in Categories 5 or 6 or 7. Contractors already registered in categories 1- 4 need not apply. The firms must have been successfully undertaken at least two Roads 2000 gravelling projects.
2. Each contracting firm must propose one Director and two site supervisors, both of whom must have successfully attended the Labour based gravelling course at KIHBT/KTC and have been involved in at least two R2000 gravelling projects
3. The Managing Directors of the applying firms must have minimum of KCSE grade D+. Additional technical or professional training will be an added advantage.
4. The site supervisors must have a minimum qualification of Diploma in Civil Engineering
5. The duration of training for the successful applicants will be 3 weeks (2 weeks classroom + 1 week for practical training on a demonstration road in Isiolo

Fees Structure:

Each of the selected Companies will be required to pay Ksh.50,000/= which is about 20% total cost to cover part of the training cost for the Director together with and 2 site supervisors. Payment will made through e-Citizen Pay Bill 222 222 Account Number KERDFA – Company Name

The Project Management will be responsible for food and accommodation during training while the contractors will be responsible for salaries, transport to and from the training venues and any out of pocket expenses for the participants.

Module: 1	Labour based Low Volume Seal Road Construction Activities	Duration – 2 weeks
<p>This module provides the Managing Directors with a general understanding of road rehabilitation to bitumen standards using labour based methods</p> <p>The main emphasis is how to organise and manage a large labour force for maximum productivity on site</p> <p>The Topics covered include:-</p> <ul style="list-style-type: none"> • Overview of Horizontal and Vertical alignment standards for LVSRs • Specifications for LVSR Pavements • Pavement materials and tests for LVSRs • Procedures for construction of roads to bitumen standards using labour based methods • Organisation and sequencing of work activities • Cost estimation of pavement construction activities • Progress Reports • Implementation of Cross Cutting issues on site 		

Module : 2	Practical training on the demonstration road	Duration- 1week
<p>The objectives of the practical training on the demonstration road is to provide the Managing Directors with an opportunity to practically apply the knowledge and skills learned on the actual live contract but still under supervision by the training providers.</p> <p>During this stage mentorship and guidance is given to ensure the works are carried out to the required standards and that all the required proper business management ethics are followed.</p> <p>Also, during this period, the participants will be expected to produce a work programme and Cash-flow projection for the trial contract before the actual start of the works</p>		

New Low Volume Seal Road Contractors – Site Supervisors Course - 5 weeks

The Site Supervisors for this training must possess Diploma in Civil Engineering from recognised institution; must have been trained in Labour based road construction from KIHBT/KTC and must have successfully supervised at least two Roads 2000 gravelling projects

Module: 1	Labour based LVSRs roads construction Activities	Duration – 3 weeks
<p>This module provides the Site supervisors with knowledge and skills of the procedures used in improving roads to bitumen standards using labour based methods.</p> <p>The main emphasis of training with this group is on how to organise and manage a large labour force for maximum productivity on site. The topics covered include</p> <ul style="list-style-type: none"> • Overview of Horizontal and Vertical alignment standards for LVSRs • Specifications for LVSR Pavements • Pavement materials and tests for LVSRs • Tools and Equipment for LVSR site • Procedures for construction of roads to bitumen standards using labour-based methods • Organization and sequencing of work activities • Quality control tests / measures • Preparation of weekly/ monthly work programme • Unit rates calculation of key activities • Implementation of Cross Cutting issues on site 		