

TANZANIA RAILWAYS CORPORATION (TRC)

TANZANIA INSTITUTE OF RAIL TECHNOLOGY (TIRTEC)



BACKGROUND:

The Tanzania Institute of Rail Technology, Tabora was one of the departments of the defunct East African Railways and harbors. The Tanzania Institute of Rail Technology, Tabora (TIRTEC) formerly known as the Railway Training College (RATCO), was established in 1947 as a branch of the main Railway Training School Nairobi Owned by East African Railways and harbors (EAR&H).

After registration by the National Council for Technical Education (NACTE) in 2008 the name changed from Railway Training College to Tanzania Institute of Rail Technology (TIRTEC). Commercial courses were established during that time, 80% of the course participants were pre service trainees who were self-sponsored while 20% consist of in-service trainees sponsored by the Tanzania Railways Limited (TRL).

CORE FUNCTIONS OF THE INSTITUTE

The Institute core functions are:

- a) To Conduct Training in Railway Technologies and Allied Sciences i.e.
 - (i) Railway Transport and Logistics Technology,
 - (ii) Locomotive Technology,
 - (iii) Rail Track Technology,
 - (iv) Locomotive Driving Technology,
 - (v) Electronics and Communication Engineering,
 - (vi) Carriage and Wagon Technology,

- (b) To Carry out Research and Consultancy in Railway field and conducting short courses.

Vision of the Institute.

To be a Centre of Excellence for Providing Training in Railway Technologies and Allied Sciences in Africa.

Mission of the Institute.

To Provide Competence Based Training, Research and Consultancy in Railway Transport and Allied Sectors for Sustainable Socio-Economic Development in Africa.

Registration status

The institute was duly registered by NACTE on 12.08.2008 in the subject area of **ENGINEERING AND OTHER SCIENCES** and offered a certificate of registration numbered **REG/EOS/012** for Tabora Main Campus.

The Institute has its campus located in TRC Diesel Complex Workshop in Morogoro Municipality. This campus was registered by NACTE on 30 July,

2019 with **REG. NO. REG/SAT/044** in the subject area **SCIENCES AND ALIED TECHNOLOGIES**.

Grant for Accreditation

Tanzania Institute of Rail Technology at Tabora campus was granted **Full Accreditation on 27th June 2016** to offer training in Railway industry. However, the Tabora campus granted **Re-Affirmation of Full Accreditation Status on 1st November, 2024**.

The Morogoro campus granted **Full Accreditation Status on 1st November, 2024**.

INSTITUTE INFRASTRUCTURE

The Institute ensures that adequate physical resources are provided to its educational programme and services.

Tabora Main campus

The main campus is situated at about 5km from Tabora town center, **415 meters east** of the Tabora Railway station. The surrounding is a suitable environment area, planted grasses and trees and a good terrain for the purpose of pursuing education.

The Institute has conducive class rooms, Computer Laboratory, Workshops, Library and other teaching and learning facilities. Also, there are good facilities for sports and games such as Football ground, Volleyball, Basketball, Netball and others.

MOROGORO CAMPUS

The Morogoro campus is located within Morogoro TRC Mechanical Workshop. It has good teaching and learning facilities. The students has good opportunity for daily practical exercise performed within TRC Complex Workshops. Morogoro campus has enough accommodation facilities located at

Kichangani (Kichangani Hostel) and Kigurunyembe (Kigurunyembe Hostel)

Generally, the Institute has good accessible premises within TRC where the students are placed for industrial practical training including stations, workshops, warehouses and other areas located along both Standard Gauge Railways (SGR) and Meter Gauge Railways (MGR).

All these facilities build relevant skills, knowledge and competences to the students.

Courses offered by Tanzania Institute of Rail Technology.

1. **BASIC TECHNICIAN CERTIFICATE IN RAILWAY TRANSPORT AND LOGISTICS MANAGEMENT - NTA LEVEL 4 (1 YEAR) OFFERED AT TABORA**

Admission Requirements:

Holders of Certificate in Secondary Education Examination (CSEE) with at least four passes in D's grade of any subject excluding religious subjects.

2. **ORDINARY DIPLOMA IN RAILWAY TRANSPORT AND LOGISTICS MANAGEMENT - NTA LEVEL 5 - 6 (2 YEARS) OFFERED AT TABORA**

Admission Requirements:

Holders of Advance certificate in Secondary Education (ACSEE) with one (1) principal pass and two (2) Subsidiaries of any subject excluding religion subjects or Basic Technician certificate in logistics and Transport or Basic

Technician certificate in Rail Transportation (NTA Level 4) and other related field from any Institution recognized by NACTVET.

3. **BASIC TECHNICIAN CERTIFICATE IN TRANSPORT SAFETY AND RAILWAY ACCIDENT MANAGEMENT - NTA LEVEL 4 (1 YEAR) OFFERED AT TABORA MAIN CAMPUS**

Admission Requirements:

Holders of Certificate in Secondary Education Examination (CSEE) with at least four passes of any subject including one science subject Physics, Chemistry, Biology or Mathematics excluding religious subjects or candidate with NVA level III in related field with at least two passes of non-religious subjects at CSEE.

4. **ORDINARY DIPLOMA IN TRANSPORT SAFETY AND RAILWAY ACCIDENT MANAGEMENT - NTA LEVEL 5-6 (2 YEARS) OFFERED AT TABORA MAIN CAMPUS**

Admission Requirements:

Holders of Basic Technician Certificate in Transport Safety and Railway Accident Management or Holders of Basic Technician Certificate in Railway Transport and Logistics Management or Holders of Basic Technician Certificate in Civil Engineering specialized in Rail Track Technology or Holders of Basic

Technician Certificate in Mechanical Technology specialized in Locomotive Mechanical Technology or Carriage and Wagon Mechanical Technology or Holders of Advanced Certificate of Secondary Education Examination (ACSEE) with at least one (1) principal pass of science subject and one (1) subsidiary pass excluding religious subject or Advanced Certificate of Secondary Education from other countries with passes equivalent to above subjects and translated by NECTA.

5. BASIC TECHNICIAN CERTIFICATE IN RAILWAY TRANSPORT ECONOMICS - NTA LEVEL 4 (1 YEAR) OFFERED AT TABORA MAIN CAMPUS

Admission Requirements:

Holders of Certificate in Secondary Education Examination (CSEE) with at least four D grade passes one of them is mathematics and the rest is any subject excluding religious subjects.

6. ORDINARY DIPLOMA IN RAILWAY TRANSPORT ECONOMICS - NTA LEVEL 5 - 6 (2 YEARS) OFFERED AT TABORA MAIN CAMPUS

Admission Requirements

Holders of Basic Technician Certificate in Railway Transport Economics or Holders of Advanced Certificate of Secondary Education Examination (ACSEE) with at least one (1) principal pass and one (1) subsidiary pass in any subject excluding religious subject or Advanced Certificate of Secondary Education from other countries with passes equivalent to the above subjects and translated by NECTA.

7. ORDINARY DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING - NTA LEVEL 4-6 (3 YEARS) OFFERED AT TABORA

Admission Requirements

Holders of Certificate in Secondary Education Examinations (CSEE) with at least four D grades including two science subjects and other two subjects excluding religious subjects or Holders of Certificate of Secondary Education Examination with two (2) D grades and National Vocational Training Award (NVTA) Level III/ Trade Test grade I in the related field.

8. ORDINARY DIPLOMA IN RAIL TRACK TECHNOLOGY - NTA LEVEL 4 - 6 (3 YEARS) OFFERED AT TABORA

Admission Requirements:

Holders of Certificate in Secondary Education with at least two D grade in science subjects including Mathematics, Physics, Chemistry or Geography and two D grades in other subjects excluding religious subjects or Certificate of Secondary Education from other countries with four passes in science subjects and translated by NECTA or Certificate of Secondary Education (CSEE) with at least two passes of D grade and possessions of at least National Vocational Technical Award

NVTA level III / Trade Test Grade I in civil engineering related field.

9. ORDINARY DIPLOMA IN CARRIAGE AND WAGON MECHANICAL TECHNOLOGY NTA LEVEL 4 - 6 (3 YEARS) OFFERED AT TABORA

Admission Requirements:

Holders of Certificate in Secondary Education with at least two D grade in science subjects and other two D grade in other subjects excluding religious subjects or Certificate of Secondary Education from other countries with passes in science subjects and translated by NECTA or Certificate of Secondary Education with at least two passes of D grade and possession of at least National Vocational Technical Award (NVTA) level III/Trade Test Grade I in Mechanical related field.

10. ORDINARY DIPLOMA IN - LOCOMOTIVE ELECTRICAL TECHNOLOGY - NTA LEVEL 4-6 (3 YEARS) OFFERED AT MOROGORO.

Admission Requirements:

Holders of Certificate in Secondary Education with at least four 'D' grades in non-religious subjects including two D grades in either Mathematics, Physics or Chemistry OR National Vocational Technical Award (NVTA) Level III/Trade Test grade I in the related field.

11. ORDINARY DIPLOMA IN LOCOMOTIVE MECHANICAL TECHNOLOGY - NTA LEVEL 4-6 (3 YEARS) OFFERED AT MOROGORO.

Admission Requirements:

Holders of Certificate in Secondary Education with at least four 'D' grades in non-religious subjects including two 'D' grade in either Mathematics, Physics or Chemistry subjects, OR National Vocational Technical Award (NVTA) Level III/Trade Test grade I in the related field.

12. ORDINARY DIPLOMA IN LOCOMOTIVE DRIVING TECHNOLOGY NTA LEVEL 5-6 (2 YEARS) OFFERED AT MOROGORO CAMPUS.

Admission Requirements

Holders of Advance Certificate of Secondary Education with two (2) principal passes in Physics and Mathematics and one subsidiary in either Geography or Chemistry or Holders of Basic Technician Certificate in either Carriage and Wagon / Locomotive Mechanical / Electrical Technology or related fields or Holders of Ordinary Diploma in Mechanical / Electrical /Telecommunication Engineering or related field

YOU ARE HIGHLY ENCOURAGED TO JOIN OUR INSTITUTE - TIRTEC.



The TRC Director General planting tree for environmental conservation during the 4th graduation ceremony at TIRTEC Tabora main campus held on 14th December, 2024



The Guest of Honour, Honourable Masanja K. Kadogosa (The TRC Director General) addressing the graduates and other invited guests during the 4th graduation ceremony held on 14th December, 2024 at Tabora main campus



Trainees of Technician Certificate in Locomotive Engineering in Diesel Electrical making repair of locomotive at TRC Mechanical Complex Workshop at Morogoro

THE INSTITUTE OFFERS SHORT COURSES IN RAILWAYS SUB-SECTOR AND ALLIED SECTORS

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