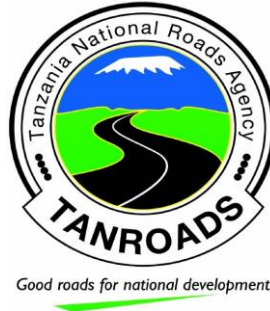


THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS AND TRANSPORT



**DAR ES SALAAM URBAN TRANSPORT IMPROVEMENT PROJECT
(DUTP)**

**TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANT TO SUPPORT
THE IMPLEMENTATION OF DUTP AND CAPACITY STRENGTHENING
TO TANROADS THROUGH THE ENGAGEMENT OF A STRUCTURAL
ENGINEER**

APRIL 2023

TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANT TO SUPPORT THE IMPLEMENTATION OF DUTP AND CAPACITY STRENGTHENING TO TANROADS THROUGH THE ENGAGEMENT OF A STRUCTURAL ENGINEER

1.0 BACKGROUND

The Government of the United Republic of Tanzania has received a credit from the World Bank towards the cost of the Dar es Salaam Urban Transport Improvement Project (DUTP) and intends to apply part of the proceeds of this Credit for eligible payments under the contract for Consultancy Services to Support Implementation of DUTP and capacity strengthening to TANROADS through recruitment of a Structural Engineer.

2.0 PROJECT DESCRIPTION

The principal objective of the BRT Projects is to improve urban mobility and accessibility in the city of Dar es Salaam through the provision of enhanced transport facilities that are reliable and cost-effective, thereby supporting the economic and social development of the city and the country as a whole.

The Project is complex and is being implemented in an urban environment. Though TANROADS has professional expertise in Contract Management, the number of personnel does not match the current workload, hence the need for additional staff to fill the gap in order to assist the management of the road projects efficiently and effectively.

In order to manage properly the implementation of the project, TANROADS wishes to engage a young, dynamic, motivated, creative and open-minded Individual Consultant to support the management of the Project in the capacity of a Structural Engineer of which, this Terms of Reference refers.

3.0 OVERALL OBJECTIVE OF THE SERVICES

The objective of the assignment is to monitor adherence to conditions of contracts (design, road surveys and construction of pavement and associated drainage structures) and standard procedures for Measurements of Structures by Consultants and Contractors to enable execution and completion of BRT infrastructure within the agreed time frame, cost and quality.

4.0 SCOPE OF SERVICES

The Structural Engineer shall be responsible for assessing construction and monitoring so that compliance with the Contract Specifications and Contracts provisions in structural works associated with road works (bridges, box culverts and other pertinent drainage structures), buildings (Bus Terminals, Bus Depots and B Bus Stations) and associated facilities are maintained. The Structural Engineer shall also be monitoring standard procedures specified in the Contract Documents and ensure that only best practice and standard methods of construction are observed in the construction of the BRT Infrastructure.

In particular, the Structural Engineer will be required to undertake inter alia the following tasks:

- 4.1. Participate in reviewing the design of works.
- 4.2. Assess and ensure that survey, setting out and construction of structures including drainages are carried out according to the design and conform with the contract provisions,
- 4.3. Make sure that works quality assurance system is fully followed and implemented.
- 4.4. Assess and monitor measurements of Structures items on site for compliance with the standard procedures for Measurements prior to certification of the same for payment.
- 4.5. Assess the Contractor's Work methodology in line with the Contract specifications and bring up shortfalls that may result in poor quality of Works for timely intervention pursuant to the Contract provisions.
- 4.6. Conduct site visits and inspect the works for conformity with Contract provisions and identify problem areas and report the same to the Project Manager / Employer with advice on remedial measures.
- 4.7. Attend regular site meetings and ensuring that the proceedings are adequately recorded.
- 4.8. Ensure that design review of structures including take off-sheets is done and submitted as scheduled.
- 4.9. Ensure that as-built drawings for structures are done continuously throughout the construction time.
- 4.10. Review Works progress reports and other ad hoc reports submitted by Consultants and Contractors.

5.0 Qualifications and Experience

a) Education:

- (i) The Structural Engineer must be a registered professional Civil/Structural Engineer with a Bachelor's Degree in Civil/ Structural Engineering.
- (ii) A Postgraduate qualification in Structural/Bridge Engineering will be an added advantage.

b) Working Experience:

- (i) She/he must have a minimum of five (5) years working experience related to construction supervision of structures/bridges in road projects.

- (ii) She/he must have been involved as a Structural Engineer or Assistant Structural Engineer in at least two (2) Civil/ Structural Works project related to roads/ bridges in last 10 years.

c) Language and Regional Experience:

- (i) Must have a minimum working experience of at least three (3) years in developing countries and
- (ii) Proficiency in written and spoken English is mandatory.

6.0 FACILITIES TO BE PROVIDED BY TANROADS

The Employer will provide the following facilities to the staff:

- 6.1 Shared office accommodation including office furniture and equipment;
- 6.2 Work-related transport to and from project sites;
- 6.3 Relevant information and documents necessary for the proper execution of the assignment.

7.0 DURATION OF SERVICES

7.1. Duration

The duration of the assignment will be 12 Months may be renewed based on performance and project needs.

7.2. Performance Review

Notwithstanding Sub-Section 7.1 above, the succession of the Services from one year (i.e. 12 months) to another will be subject to the satisfactory performance of the Consultant.

7.3. Termination

Notwithstanding Sub-Section 7.2 above, the Contract may be terminated any time before the expiry of the duration of the assignment, in accordance with provisions of Employment and Labour Law Act No. 6 of 2004 of the United Republic of Tanzania.

8.0 RESPONSIBILITIES OF STRUCTURAL ENGINEER

The Structural Engineer shall be responsible for the following:

- 8.1 All information, data and reports obtained from TANROADS shall be treated as confidential.
- 8.2 All plans, drawings, specifications, designs, reports, other documents and software prepared by the Consultant for TANROADS under this Contract shall become and remain the property of TANROADS, and the Consultant shall, not later than upon termination or expiration of this Contract, deliver all such documents to TANROADS.

- 8.3 Arranging and paying for his/her own accommodation and daily local transport to and from his duty station.

9.0 REPORTING

- 9.1. The Structural Engineer will report to the Project Manager responsible for the BRT Project under the Director of Projects.
- 9.2. The Structural Engineer will be required to provide inputs on the progress of Works and all technical issues, to regular and ad hoc reports prepared by TANROADS.
- 9.3. The Structural Engineer will prepare a brief report in each month, summarizing activities performed by him/her on daily basis; the report shall be in a format to be agreed upon by the Project Manager.

10.0 LEAVE AND WORKING HOURS

10.1. Leave

- 10.1.1. The Structural Engineer will be entitled to twenty-eight (28) days paid annual leave during the assignment.

10.2. Working Hours

- 10.2.1. Ordinary working period starts from 8:00 AM to 4:30 PM commencing Monday to Friday excluding public holidays;
- 10.2.2. The Consultant will be expected to work on reasonable extra time when the need arises at no additional payment; the Consultant's remuneration shall be deemed to cover for such overtime.

11.0 PAYMENT TERMS

- 11.1. The Consultant's salary is negotiable but will not be more than the estimated value per month. A monthly lump sum amount of remuneration per month will include all his overheads, social charges and other associated costs including local transportation within Dar es Salaam and insurance premium costs.
- 11.2. The Consultant shall be responsible for all taxes and duties applicable as per the Government of Tanzania rules and regulations.
- 11.3. The monthly remuneration shall be deducted Pay ss You Earn (PAYE) tax.
- 11.4. In case of travel requirements outside TANROADS HQ and within Tanzania for project-related assignments, the Consultant shall be paid travel expenses in line with the Government rules and procedures.
- 11.5. Payment to the expert in respect of remuneration will not be adjusted for inflation for the duration of assignment.

12.0 DUTY STATION

Dar es Salaam (TANROADS HQ offices), Tanzania with field visit as per requirement. There is a possibility of TANROADS HQ Offices to move to Dodoma mid-way the Contract.