

# Terms of Reference

## 1. Procurement Object:

**Modernization of Kutaisi bypass road – Samtredia sections into the four-lane highway, Lot 1, km 0+000 - km 6+000**

## 2. Constituent Works

Types of works to be carried out:

- Preparation works;
- Arrangement of the embankment;
- Culvert and drainage structures;
- Arrangement of bridges and retaining wall;
- Arrangement of road pavement;
- Road furniture;
- Arrangement of outdoor lighting of road;
- Greening.

## 3. Preparation of work place and environmental protection

The performer shall ensure the proper use of determined work place, necessary and appropriate restoration of environment after completion of works, and considering intense traffic flow, performance of works to provide safe conditions for personnel through ecologically acceptable means as well as performance of the following conditions:

- Ensure vitality of trees and plants located within the work place;
- Minimize impact of noise, vibration and dust;
- After completion of works, the Performer shall immediately remove all machinery-mechanisms, facilities-equipment, materials, temporary structures, etc., from the work place by its own efforts and at its own expenses;
- Ensure to minimize ecological impact on the environment within the work place;
- During performance of works, ensure encircling of work place on the road and arrangement of protective visual warnings and traffic lights.

## 4. Work Implementation

According to applicable construction norms, in order to perform high quality works, the Performer shall carry out all quality control laboratory tests of materials to be used and works performed (asphalt concrete, cement concrete, crushed rock, sand, etc., determination of foundation compaction factor and resilience modulus) in specialized accredited laboratory, necessary for material testing, as well as check usefulness of their application.

Based on above mentioned, during implementation of works, the Performer shall represent compliance and quality certificates of used materials (reinforcement, rolled steel, reinforced assembled constructions, metal and plastic pipes, gabion boxes, mineral powder, polystyrene foam, bitumen, cement, road signs, metal barriers, paint, masts, copper cables, etc.) and recipes of concrete and asphalt concrete mixtures.

Materials and constructions of suppliers shall have passport or certificate. Their quality shall comply with standards and construction norms applicable in Georgia.

## 5. Geodesic Supervision

The Performer shall ensure geodesic supervision on construction site by its own efforts and at its own expenses.

## 6. Normative Documents

During working process, the Performer shall carry out works according to relevant construction and environmental norms

and rules envisaged by Georgian legislation.

## **7. Work Production Journal**

On contract site, the Performer shall keep a work production journal including daily recordings regarding volumes of daily performed works, data of implementing personnel, list of used mechanisms and equipment, quality protective procedures, etc.; In this journal, a tech supervisor shall systematically mention notes, observations and recommendations on work production, and the Purchaser shall do the same, though, periodically;

Special assignments, revealed defects and dates of their eradication shall be recorded in this journal;

The Supplier shall record all as-built technical documentation, which are determined according to applicable construction norms and standards;

(Work production journal and other documents shall be recorded according to Decree N 57 of the Government of Georgia, dated March 24, 2009).

## **8. Delivery-Acceptance Procedure of Works**

Acceptance of completed works is carried out according to Ordinance of Chairman of Roads Department of the Ministry of Regional Development and Infrastructure of Georgia and Decree N 57 of the Government of Georgia.

## **9. Cost estimation and prices of services to be rendered:**

Unforeseen amounts may only be used by Purchaser's permission, by its own initiative or after making the relevant decision by the Purchaser based on agreement and consideration of reasonable and justified proposal of the Supplier.

## **10. Transparency of working processes:**

If necessary, the Supplier shall ensure direct (uninterrupted) video broadcasting from construction site, which includes placement of video surveillance spot(s) of agreed number and technical parameters (with Purchaser) in construction districts. Video stream from video surveillance facilities placed in construction districts shall be provided to the server owned by Roads Department continuously.