



REPUBLIC OF KENYA

# MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT

STATE DEPARTMENT FOR HOUSING AND URBAN DEVELOPMENT

## REQUEST FOR EXPRESSIONS OF INTEREST (REOI)

### CONSULTING SERVICES- FIRM SELECTION

#### **ASSIGNMENT TITLE: CONSULTANCY SERVICES FOR GEOTECHNICAL SURVEYS FOR AFFORDABLE HOUSING PROJECTS ACROSS 47 COUNTIES**

The Government of the Republic of Kenya (GOK) through the Ministry of lands, Public works, Housing and Urban development, under State Department for Housing and Urban Development intends to apply part of the budget proceeds for Consulting Services for geotechnical survey for the Affordable Housing Projects (AHP) within 47 Counties to determine the ground conditions for the aforementioned projects.

The main objective of the consultancy is to; determine the allowable bearing pressure of the soil across the site; assess and propose the most appropriate foundation depth, type, and size; assess the suitability of the site for the proposed engineering works; foresee and provide against difficulties that may arise during construction owing to the ground and other local conditions and to enable an adequate and economical design to be prepared.

The works shall be carried out in conformity with the provision of the latest relevant British Standard (BS) Codes and Standards. Relevant American Society for Testing and Materials (ASTM) shall be followed where BS Codes and Standards are silent.

The State Department for Housing and Urban Development, now invites eligible Consulting Firms ("Consultants") to indicate their interest in providing the Services. Interested Consultants Firms must provide information to demonstrate that they have requisite qualifications and experience to perform the assignment; provide a description of their core business; and demonstrate experience in undertaking similar assignments and availability of relevant skills among their staff. The shorting-listing criteria are: (a) The Firm's should have experience of having successfully completed similar magnitude of works within the last 3 years; (b) The participating Firms should have Professional Geotechnical Engineers working and residing in Kenya; (c) The personnel must be licensed / certified / registered / authorized by the relevant professional body.

The Consultant Firm may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a Joint venture or a Sub-consultancy. In the case of a Joint venture, all the partners in the Joint venture shall be jointly and severally liable for the entire contract, if selected.

The scope and description of the assignment includes; i) Sinking of Boreholes and Trial Pits to a depth of 30 metres and 2.5 metres to rock respectively; ii) Carry out SPT and/or DCP tests as per BS Standards and collect disturbed/undisturbed soil samples at specified intervals or as directed by the Consultant; iii) Collecting rock core samples from the boreholes and determine the Rock Quality Designation (QD), if, hard rock is encountered during drilling; iv) Conducting the following laboratory tests on samples recovered: a) Particle size analysis; b) Atterberg Limits; c) Determination of Natural Moisture Content; d) Determination of Maximum Dry Density/Optimum Moisture Content; e) Unconfined Compression Tests and density of rock; f) Unconsolidated undrained Triaxial tests; g) Chemical tests – Sulphate and chloride content and pH of soil and , California Bearing Ratio (CBR) ; v) Monitor water regime vi) Submit factual geotechnical investigation reports along with borehole and trial pits location plan, detailed laboratory, and field test results with appropriate graphs/plots, and pertinent information required by this specification.

The assignment is expected to take a total of Twenty-One (21) days from contract signing.

Further information can be obtained at the address below during office hours [0900 to 1700 hours East African Time].

**The Expression of Interest should** be submitted in a plain sealed envelope clearly marked "Expression of Interest for Consultancy Services: **"Consultancy Services for Geotechnical Survey services for the Affordable Housing Projects across 47 Counties"** to the address below or dropped in the Tender Box situated at **Ardhi House, 6th Floor Boardroom Wing "B", Nairobi, Kenya so as to be received on or before 12th June, 2024 at 9:00 am**

All enquiries concerning the Consultancy Assignment shall be sent to the following email: [procurementhousingandurban@gmail.com](mailto:procurementhousingandurban@gmail.com)

**The Principal Secretary,  
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**HEAD SUPPLY CHAIN MANAGEMENT SERVICES  
FOR: PRINCIPAL SECRETARY**

