



MONTENEGRO
Ministry of Economy
MONTENEGRO ENERGY EFFICIENCY PROJECT

ADVERTISEMENT FOR EXPRESSIONS OF INTEREST

**FOR ELABORATE ABOUT STABILITY OF BUILDINGS OF CLINIC CENTRE
MONTENEGRO FOR INSTALLATION OF SOLAR THERMAL PANELS AT ROOF
SURFACES**

No: MNE-EE-P107992-CQ-CS-12-C.7

LOAN NUMBER: 7637-ME

Montenegro has received a loan from the International Bank for Reconstruction and Development (IBRD) in the amount of € 6.5 million equivalent toward the cost of the Montenegro Energy Efficiency Project (MEEP), and intends to apply part of this loan to payments under the contract for Elaborate on stability of buildings in Clinic Centre of Montenegro planned for installation of solar thermal panels at their roof structure for preparation of domestic hot water.

Description of Services:

The objective of this Elaborate is verification of carrying load of roof construction or roof plate, as well as verification of carrying capacity, stability, subsidence and deformation of buildings that are planned installation of solar thermal panels for domestic hot water (DHW) preparation, caused by additional load. Verification, namely calculation should be carried out for conditions at micro location (geomechanics), seismology and meteorological (wind) conditions.

By this Elaborate carrying capacity of roof construction or roof plate shall be verified and installation of solar thermal panels shall be justified, as well as that buildings' stability, deformations and sag with existing constructive elements shall remain in compliance with technical norms and standards for such type and kind of buildings (health related buildings – hospitals), seismological zone (conditions), meteorological conditions, ground geomechanics, additional static and dynamic conditions, and others.

The consultant shall include following services: CIVIL/CONSTRUCTION PART.

Perform overview of condition related to the buildings, particularly all elements of roof structure or roof plate.

Conduct verification as needed of stability, load capacity, resistance, deformations and subsidence of buildings due to additional load caused by installation of solar thermal panels at roof structure, for seismology and meteorological parameters at micro site.

Conduct verification of load capacity of all elements of roof structure or roof plate taking into account additional load (installation mass and wind impact).

Anticipate preparation of general, numerical documentation and drawings according to Law on construction in force and other technical rulebooks and legislation.

The Consultant shall closely collaborate with Ministry of Economy (Energy Efficiency Sector), Ministry of Health and Clinic Centre of Montenegro.

The Consultant shall receive assistance from technical staff of Clinic Centre of Montenegro, particularly regarding following issues: (i) site and buildings' access, (ii) obtaining of available technical documentation, information and data, and (iii) insight in condition of buildings and the need for repair or strengthening of the buildings' structure.

Duration:

Deadline for delivery of Draft Elaborate is 30 calendar days from the date of contract signing.

Deadline for delivery of Final Elaborate is 15 calendar days from receiving comments from the Investors.

Investor is obliged to send his comments to the Consultant at latest 15 calendar days from date of Draft Elaborate delivery.

Expressions of interest:

The Montenegro Energy Efficiency Project team now invites eligible consulting firms ("Consultants") to indicate their interest in providing the services. Interested Consultant firms must provide information indicating that they are qualified to perform the services. The shortlisting criteria are:

- **General qualification of the firm:** Interested Consultant should submit documents defining the constitution or legal status, place of registration, and principal place of business of the Consultant firm;
- **Qualification of the consultant (firm) relevant to the assignment:** Interested Consultant should submit references of assignments from similar projects in the last 5 years. Reference should contain: investor data to whom work was performed, project description, contract value for performed services and implementation period. According to the Law on spatial planning and object building (Official MN Gazette, no: 51/08) the successful Consultant firm shall provide before the contract signing Civil engineer, licensed for design of civil structures; License should be issued by relevant state institution;
- **Professional staff:** Interested Consultant should submit list of the key staff that is generally available for this kind of work.

Before the contract signing the consultant should provide, for each person who is going to be involved in the project, license for design of civil structures, issued by responsible state authority.

Consultant firm can submit other documents considered important, and which are not listed above.

Consultants may associate to enhance their qualifications. The associations should clearly indicate the form of the association (Joint-venture or sub-consultancy; member in charge; other member/s and or sub-consultants) and responsibility/role of each member in project implementation. Joint ventures should submit letters of intent indicating their intent to form a joint venture if awarded the contract and shall provide the above mentioned information for each member of the joint venture.

Consultants may only submit one expression of interest. If a Consultant submits or participates in more than one expression of interest, such expressions will be disqualified. However, sub-consultants, including individual experts, may participate in more than one expression of interest only in the capacity of sub-consultants.

A consultant will be selected in accordance with the procedures for Selection Based on Consultants' Qualification (CQ) set out in the World Bank's [*Guidelines: Selection and Employment of Consultants by World Bank Borrowers*](#) -May 2004, revised in October 2006 and May 2010, ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest. The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's Consultant Guidelines.

Interested consultants may obtain further information at the address below, from 09:00 to 17:00 hrs.

Expressions of interest must be delivered to the physical or electronic address below by **April 17, 2012, until 12:00 h local time.**

**Technical Services Unit
Ministry of Finance
81000 Podgorica, Montenegro
Telephone: +382 20 201 695
Fax: +382 20 201 698
E-mail: mirko.ljesevic@mif.gov.me**