



**Food and Agriculture Organization
of the United Nations**

CALL FOR EXPRESSIONS OF INTEREST

National Consultant Irrigation Engineer

Contract duration: 40 days on WAE basis

Vacancy No. IRC3419

Deadline for Applications: 30 June 2016

Duty station: Chisinau, Moldova

Tasks and responsibilities:

To assist Moldova in coping with the challenges posed by natural disasters, FAO is implementing the project "Increasing small scale farmers' resilience to drought by adopting best irrigation practices and modern irrigation technologies". The project is intended primarily to increase farmers' resilience to drought by (i) introducing and facilitating adoption of best irrigation practices and irrigation technologies, (ii) building capacities of farmers and Water Users Associations to manage and operate modern on-farm irrigation technologies, and (iii) building capacities of extension officers to provide quality advisory services in irrigation practices and technologies.

The project envisages a wide range of activities including a nation-wide awareness raising campaign and capacity building activities tailored to beneficiary farmers and extension officers, establishment of demonstration plots and delivery of farmers' field schools events. For the demonstration plots establishment, FAO will arrange procurement of 10 complete kits of irrigation systems.

The main objective of this assignment is to provide technical support for the procurement of on-farm irrigation systems for the project beneficiary farmers. The Consultant will design ten on-farm irrigation systems, prepare necessary tendering documents, evaluate the tender bids leading up to contract award, supervise and verify contractor's work and develop tools for measuring performance of installed irrigation equipment, as detailed below.

1. Prepare detailed designs for ten on-farm irrigation systems
 - 1.1. Conduct technical survey
 - 1.2. Prepare standard drawings
 - 1.3. Carry out cost estimates
2. Prepare tender documentation
 - 2.1. Prepare draft Technical Specifications
 - 2.2. Prepare draft(s) of other necessary documentation for tendering purpose
3. Evaluate the tender bids
 - 3.1. Assess, under guidance of international consultant, bidding vendors' competency and qualification;
 - 3.2. Analyze measures, quantities and description of each item in the offers against the original technical specifications;
 - 3.3. Analyze and review the quoted unit rates against the cost estimates and local market in correlation with technical specifications and price reasonability assessment;
 - 3.4. Analyze and review if the offered technical specifications are in accordance to the advertised ones;
 - 3.5. Provide a written report as to how much the offer deviates from internal estimate and possible reasons in case of significant deviations;
4. Supervise and verify contractor's work
 - 4.1. Supervise on-site irrigation equipment installation and putting into operation
 - 4.2. Certification of work performance
5. Develop tools for measuring performance of installed irrigation equipment

Candidates should meet the following requirements:

Minimum Requirements

Academic Qualifications

- University degree in Civil Engineering (related subject to irrigation or water sources), water resource management, water supply schemes preferably for agricultural use, or relevant field

General requirements

- At least five years of working experience with particular reference to design and implementation of water resources and irrigation projects
- Lack of affiliation with the international and national suppliers of irrigation equipment
- Excellent analytical and writing skills (good written English is required);
- Proficiency in use of Microsoft Office programs, AutoCad, and email software;

Selection criteria

- Extent and relevance of experience in design and implementation of on-farm irrigation projects
- Extent of experience in design and construction of on-farm irrigation systems
- Extent and relevance of experience in preparing tender documentation (e.g. technical specifications) and assessing bidding vendor's offers (e.g. competency and qualification, technical and financial offers) within procurement of irrigation equipment
- Extent of experience in /communicating with farmers

Additional Information

FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.

All candidates should adhere to FAO values of Commitment to FAO, Respect for All and Integrity and Transparency.

How to apply

All applications are to be made through FAO's [**iRecruitment**](#) system. Click on the link below to access [**iRecruitment**](#), complete your online profile and apply for this Call for Expression of Interest.

<http://www.fao.org/employment/irecruitment-access/en/>

In order for your application to be properly evaluated, please ensure that all sections of your iRecruitment account are completed. Incomplete applications will not be evaluated.

If you need help, or have queries, please contact: [**iRecruitment@fao.org**](mailto:iRecruitment@fao.org)