



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

CALL FOR EXPRESSIONS OF INTEREST

International Consultant - Irrigation Engineer

Contract duration: 30 days on WAE basis

Vacancy No. IRC3418

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 supervise design of ten on-farm irrigation systems conducted by the National Consultant, prepare necessary tendering documents, evaluate the tender bids leading up to contract award, provide guidance to the National Consultant on supervising and verifying contractor’s work and on developing tools for measuring performance of installed irrigation equipment, as detailed below.

The International Consultant will work together with and supervise the work of the National Consultant to achieve the objectives of this assignment under close supervision of Irrigation Officer and Project Manager.

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 other necessary documentation for tendering purpose
3. Evaluate the tender bids
 - 3.1. Assess 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. Provide guidance to and supervise the National Consultant's work on the followings:
 - 4.1. Supervising and verifying contractor's work
 - 4.2. Developing tool for measuring performance of installed irrigation equipment
- 5. Provide guidance to and supervise the National Consultant's work on development of 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 ten years of international working experience with particular reference to design and implementation of water resources and irrigation projects
- Excellent analytical and writing skills (good written English is required);
- Proficiency in use of Microsoft Office programs, AutoCad, and email software;
- Ability to work independently and respect deadlines. Recognized qualifications and sound expertise in land administration and land surveying.
- Experience with land administration including land registration and cadastre.
- Familiarity with agriculture and have experience with negotiations with farmers.
- Experience with land consolidation related activities and use of GIS software would be an asset.
- Significant project management and team building capacity.
- Good report writing skills and working knowledge of English are essential.

Selection criteria

- Work experience in more than one location or area of work, particularly in field positions is desirable
- 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 working/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