



## FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

### Terms of Reference for Consultant ■/PSA □

Minimum number of years of relevant experience required: 1yr  3yrs  5yrs  12+yrs

<b>Job Title:</b>	Econometrician	
<b>Division/Department:</b>	Monitoring & Evaluation	
<b>Programme/Project Number:</b>		
<b>Location:</b>	Nairobi, Kenya	
<b>Expected Start Date of Assignment:</b>	Immediately	<b>Duration:</b> 3 months

#### GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

Under the overall supervision of the Officer in Charge for FAO Somalia and direct supervision of the FAO Somalia Monitoring and Evaluation Officer, with the technical guidance and back-stopping of ESA, and in collaboration with the FAO Somalia Resilience Pillar Coordinator and appointed colleagues from WFP and UNICEF (that together will form a Technical Working Group), the Consultant will undertake the following tasks:

- Participate in the resilience midline survey data cleaning and quality assurance, in particular:
  - o Supervise the data cleaning and verifying the consistency of the data collected; the correspondence between the ODK, Excel and Stata data sets that are used for data processing and storage and soft copies;
  - o Checking for outliers, missing values, under/over-reporting and misunderstanding of both questions or answers; and provide feedback to ESA and FAO Somalia M&E Officer; and,
  - o In collaboration with ESA, develop protocols for quality assurance processes including data cleaning and integrity checks; in particular for identifying outliers and errors through both manual and statistical/econometric revision.
- Work closely with ESA and take an active role in conducting Resilience Index Measurement and Analysis (RIMA) on the Dolow midline resilience survey;
- Conduct panel data analysis using the Dolow RIMA findings at both baseline and midline to assess impact in enhancing resilience at the household level.
- Take a lead role in conducting other data analysis exercises, in particular:
  - S/he will coordinate with the inter-agency Work with joint analysis team from FAO, UNICEF and WFP to identify on this joint strategy
  - Perform, produce and disseminate basic descriptive statistics that will contribute to the final report; and,
  - Assist with combining the additional data analysis with the RIMA and qualitative study findings.
- Participate in other resilience studies planned in 2015 by FAO Somalia, in particular:
  - o Planning for the Puntland and Somaliland midline studies planned for end of 2015-Early 2016, which includes finalization of Household and Community Questionnaires based on the experience of the Impact Evaluation studies conducted so far.
  - o The Cash for Work Impact Assessment study
  - o Livestock and Agriculture sectors studies
  - o Any other studies that may be implemented

Any other related duties as assigned

#### KEY PERFORMANCE INDICATORS

##### Expected Outputs:

The following are the key outcomes anticipated from the assignment:

- Dolow midline data quality assurance processes reviewed and cleaning/integrity checked
- Data set cleaned and transferred to Stata
- Data analysis initiated and completed for descriptive statistics
- RIMA conducted and findings produced for Dolow midline study
- Panel data analysed comparing midline to baseline levels

Required Completion Date:

- Draft version of the report produced and revised
- Comments and additional analysis incorporated in report

Support other M&E studies on resilience

## REQUIRED COMPETENCIES

### Education:

- Advanced degree in Econometrics, Applied Economics or Applied Statistics at the Master's (required) or doctorate levels (preferred).

### Work Experience:

- Minimum of five (5) years relevant work experience, with excellent knowledge of data management analysis tools and econometrics modeling.

### Technical Competencies

- Previous work experience in international development contexts, particularly complex environments.
- Professional knowledge of and practical experience in using Stata software is essential.
- Good knowledge of the FAO resilience measurement approach is an additional asset.

## HOW TO APPLY

Interested applicants are required to create an online Personal Profile form (PPF) in iRecruitment. To create the PPF, please follow the instructions available at: <http://www.fao.org/employment/irecruitment-access/en/>

The PPF along with a cover letter should be sent via email to: [HR-Somalia@fao.org](mailto:HR-Somalia@fao.org) (quoting the Position Title and Vacancy Announcement No. **FAO/04/2015** in the subject heading).

Deadline for applications: **21 April 2015**

Applications must be received by the deadline. Late applications and applications without all the specified/ required documents above will not be considered.

We regret that due to the high number of applications, only short listed candidates meeting all essential qualifications will be contacted.