

## REQUEST FOR QUOTATION TO PROVIDE NDVI SATELLITE DATA

The Managing Director of ZEP-RE invites bids from an established and suitably experienced firm to provide NDVI Time Series to monitor vegetation health and condition. The eligibility criteria and scope of work are shown below.

### 1. Eligibility Criteria

The firm should have the following capabilities: -

- Advanced experience in providing NDVI data – minimum five years.
- Demonstrated ability to provide data without interruption.
- Coverage of the specified Areas of Interest.
- Ability to improve on the resolution offered by E-Modis.

### 2. Scope of work

The main goal of this assignment is to conduct a comparison of the supplier chosen data source and E-Modis, to determine suitability for the DRIVE project, and provide recommendations on the use of the data. The scope should entail:-

- Areas of Interest (AOI) - Kenya, Ethiopia and Somalia
- Pilot, Proof-of-Concept (POC) to establish use of NDVI as Drought Insurance Index for DRIVE Project
  - Evaluation of the benefits of improvements in spatial resolution and usability of supplier choice of data for regional and local assessment.
  - NDVI zonal statistics calculated from MODIS and the supplier data source for the defined AOIs for every 10-day period. Production of summary statistics demonstrating the relationship across the time of interest between supplier choice NDVI and MODIS NDVI.
  - Representative time series graphs comparing supplier choice NDVI results to those derived from MODIS; Generate MODIS 20-year historical average and standard deviation data
  - Recommendations for an operational program including Report Generation.
  - Time of interest for pilot - January 2001 through December 2021 - 20 years of data at 10-day temporal frequency

**A:** Feature/functionality is Available out of box and may be readily demonstrated.

**C:** Customisation is required to achieve this requirement - In the comment/reference column indicate reference to annexure that propose the cost and time man-months for creating that customisation.

**N:** Feature/functionality is Not available/supported on the current system version.

#### **Note:**

1. Choose the response that accurately and honestly describe your system
2. All **C** entries must be accompanied by references to annexure on proposed cost and time



Feature / Functionality Requirement		Availability	Remarks / Reference to proposal annexure
	<b>Qualification</b>		
1	Advanced experience in providing NDVI data – minimum five years.		
2	Experience in providing Similar Data services in the region will be an added advantage		
3	Demonstrated ability to provide data without interruption		
4	Coverage of the specified Areas of Interest		
5	Ability to improve on the resolution offered by E-Modis		

**Those interested may submit their bids via email to [procurement@zep-re.com](mailto:procurement@zep-re.com) by 16:00 hours Kenyan time on 24 June 2022 addressed to the Insurance Lead – DRIVE Project, ZEP-RE (PTA Reinsurance Company), P.O. Box 42769 00100 Nairobi, Kenya.**

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