RFP/2020-009/ IBP_ABEE Project/ PSU/DOF

04/11/2020

INVITATION TO BID

Subject: Request for proposal for Breeding Management System (BMS) Development – IBP/ABEE Project

The Breeding Management System (BMS) (https://bmspro.io/) is a comprehensive suite of software tools for crop breeding. It is designed to help breeders manage their breeding programmes more efficiently so that they may develop improved cultivars faster and at lower cost. **The BMS is a web-based product** that is delivered to our customers as SaaS (Software as a Service) or directly on the client premises.

- Over the last few years, the BMS has adopted the principles of an API driven architecture represented by these four interconnected layers:
- Presentation Layer – Angular JS/ Angular, Vaadin 6;
- Service Layers – Custom API services and BrAPI standard ones;
- Middleware – Java, Spring;
- Persistence layer - Hibernate, MySQL (InnoDB).

Within the context of this project **we're looking at software engineering resources provided by a contractor** to extend the four layers described above - primarily the service layer - to support data exchange between different BMS instances in terms of being able to seamlessly distribute study evaluations and resulting germplasm within a customizable federation of BMS instances. The vision is that interoperability would be achieved using exclusively the BrAPI standard for RESTFul APIs.

we would like to invite Services Providers to submit their technical and financial proposal. The scope of the tender will be sent together with this invitation to bid.
Bids must be submitted electronically at the following email address: A.Quotation@cgiar.org
The deadline for submission of bids is **06th December 2020 at 4:00 pm. Abidjan, Cote d'Ivoire, Local Time.**
The subject of the mail should be clearly marked as follow: **RFP/2020-009/ IBP_ABEE Project/ PSU/DOF** AfricaRice will reject late proposals.
Bidders will be advised, in due course, of the results of their proposals.

Kolade OLATIFEDE
Directeur of Finance

AfricaRice