

CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE HYDERABAD – 500 059



F. No: 2-1/(23)/2015/ST

Date: 07.11.2015

То

Sub: Sealed Quotations are invite for Consultancy Services for development of "Decision Support System (DSS) for Monitoring and Evaluating Sustainability of Watershed Projects" – Reg.

Dear Sir (s),

Sealed Quotations are invited for following services as detailed below :

S. No.	Particulars & Description
1	Consultancy Services for development of "Decision Support System (DSS) for Monitoring and Evaluating Sustainability of Watershed Projects".
	Specifications of the above Services are enclosed herewith
	TERMS & CONDITIONS
1)	The last date for submission of quotation is on or before 07-12-2015. Rates offered shall be F.O.R. CRIDA, Hyderabad
2)	Quotations should be sent by post only in a sealed cover addressed to the Director, Central Research Institute for Dry land Agriculture, Santoshnagar, Saidabad Post, Hyderabad – 500 059. The cover containing quotation should invariably be super scribed. The quotations in person by hand will not be accepted. a) Enquiry F. No. 2-1/(23)/2015/ST
	b) Due on 07-12-2015
3)	For services of development of "Decision Support System (DSS) for Monitoring and Evaluating Sustainability of Watershed Projects"
4)	The quotation should remain open for acceptance for a period of 90 days from the date (due date)
5)	Bid security (EMD) . The quotation should accompany with a bid security of Rs. 4000/- (Rupees Four Thousand only) in favour of "ICAR unit A/c, CRIDA, Hyderabad " in the form of Demand draft. The prescribed bid security will be returned to the unsuccessful bidders . The bid security in the case of successful bidder will be returned only after the completion of warranty (Guarantee period
6)	No advance payment/delivery against payment is permissible. However, the payment shall be arranged in 10 days from the date of submission of pre-receipted bill in triplicate along with stores.
7)	The rates quoted should be net payable for each item for delivery at the Institute at the address given above (inclusive of all taxes, packing, forwarding, transport, insurance and excluding rebate/discount etc.)
8) 9)	This Institute is not in a position to supply any ' D ' or 'C' forms. While quoting the rates please mention the following:
	 Approximate time for supply of stores from the date of placing order. Guarantee/Warranty/Expiry period In case you have got any rate contract with the DGS&D, the same may be indicated Any other condition
	Quotation which do not conform to the above terms and conditions will not be considered. The Director, Central Research Institute for Dryland Agriculture, reserves the right to accept or reject any or all quotations without assigning any reasons thereof.
	Yours Sincerely
	(Er C V K N Rao) Stores and Purchase Officer

Web Site: www.crida.in Email: stores@crida.in Phone:(040) 24530161, 24532077, 24532243, 2452265,24530157,24532099,24532577 Fax No. 91-040- 24531802

Specifications for **Providing Services to Develop a DSS for Monitoring & Evaluation of Watershed Projects** under ICAR National Fellow Scheme at CRIDA, Hyderabad titled: *Assessment of Impact of Sustainable Land Management Practices initiated in Treated Watershed in Rainfed Agro-Eco Sub- region in Telangana – A GIS based study.*

1. Services are needed for development of a DSS for monitoring and evaluation of watershed projects in India. The DSS should be able facilitate the monitoring of watershed projects to undertake mid-term corrections if necessary in designated watersheds during the Implementation Phase. The DSS should also have provisions to evaluate watershed projects implemented in the country.

2. The DSS need to be developed using Open Source GIS (OSGIS) packages only so that it can be shared with multiple agencies viz., Ministries of Govt. of India, Public and private parties, involved in implementation of watershed projects in India.

3. The DSS should be developed using JAVA, PostGreSQL, QGIS and R software. Use of Open-source GIS software is vital to development of DSS as it is proposed to host it in CRIDA website for open dissemination.

4. The DSS Development Service Provider (DSS-DSP) shall *Develop Architectural Design & Framework for Data Handling and Processing in the DSS*. The data and procedure for monitoring and evaluation of watershed projects would be provided by the institute/ concerned indenting scientist.

5. The DSS developed should facilitate the *Generation of Output through a Graphic User Interface (GUI)* in order to display information in a user friendly manner. This activity should include visualization of thematic spatial layers at various spatial levels in watershed hierarchy in addition to generation of statistics in the form of graphs and tables. This is essential for easy visualization and dissemination of outcome of the monitoring & evaluation procedure.

6. The DSS-DSP must have adequate experience in delivering OSGIS or similar projects to Ministries of Govt. of India/ departments/ public & large reputed organizations/ reputed Institutions /University working in Agricultural research and development (R&D) in India. They must enclose proof of successful implementation of such projects. Submission of proof of successful implementation & delivery of such work is essential.

7. After development of DSS, the DSP essentially has to assist in field validation to be carried out by the scientist.

8. The DSP should help in hosting the DSS on CRIDA website. The DSS-DSP would provide documentation / User Manual for online use of DSS and also for desktop application. The DSP must ensure glitch-free working of the DSS till such reasonable time as required by the institute / concerned scientist.

9. The DSS-DSP must provide to institute / scientist, the complete documentation of the DSS developed for monitoring & evaluation of watershed projects. The DSP must provide digital copies of the DSS, datasets and user manual for various components of the DSS, reference material for the various software used therein, and any other such relevant information and material required for the smooth running/ handling of the DSS in CRIDA.

10. The DSS-DSP should return all the material, datasets, maps, etc., provided to them by the scientist/ institute for the development of DSS.

11. The duration for the successful completion of the said work / contract is 60 days from the date of issue of work order.