

File No.: E1259026/7(2)/PMFBY-WINDS/2023-MNCFC (125903)

Government of India
Ministry of Agriculture & Farmers' Welfare
Department of Agriculture, Cooperation & Farmers' Welfare
Mahalanobis National Crop Forecast Centre

Pusa Campus New Delhi-110012
Friday, 08 March 2024

Minutes of pre- bid meeting held on 7th March 2024 to reply the queries of agencies in respect of WINDS Expression of Interest.

A virtual meeting held on 7th March 2024 to reply the queries of agencies in respect of WINDS Expression of Interest under the Chairmanship of Dr. C.S. Murthy, Director MNCFC and Chairman of the WINDS committee. In the meeting representative from three agencies i.e. Spatika, Campbell and Azista were participated, the query raised by the agencies are given in table below-

S.No.	Details of representative	Queries	Response/ Decision of the Committee
1	Query from AZISTA INDUSTRIES PRIVATE LIMITED SECTION-I: GENERAL ASPECTS OF EOI INVITATION 4.1. Eligibility Criteria (Prequalification) Page No. 8 ii. The agencies who have already implemented weather data related services, installation and maintenance of AWS/ARGs for at least 3 Years in different states, and have a proven experience of installation commissioning, maintenance and operations (completed/ongoing) of more than 300 AWS and/or ARGs and/or Meteorological Towers cumulatively, in the last three out of five years.	As a part of Technical criteria and proof of technical capacity at "Table 2 Marking criteria for technical evaluation - Point 2 and "Annexure A Undertaking Letter - Point F" respectively, are contradicting from experience required at "Eligibility Criteria (Pre-qualification). 2. The Bidder must have executed at least one similar project involving installation of 1000 AWS/ARGs cumulatively in the past 3 Years. Substantially completed ongoing projects will also be considered. 2. Annexure B: Proof of technical capacity and experience: The applicant must have installed, calibrated, maintained more than 1000 AWS/ARG sites, including siting, sensors and other equipment, in the last 3 years	Typo error: Table 2: Marking Criteria for Technical Evaluation Point. 2 May be read as – The Bidder must have executed at least one similar project involving installation of 300 AWS/ARGs cumulatively in the past 3 Years. Substantially completed ongoing projects will also be considered.
SECTION-I: GENERAL ASPECTS OF EOI INVITATION 5. Technical criteria for			

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2	<p>Empanelment of WIPs Table 2: Marking Criteria for Technical Evaluation Page No. 9</p> <p>ANNEXURE A: UNDERTAKING LETTER Page No. 39</p>	<p>Hence, we kindly requesting you for amendment of Table 2 and Annexure A as per Eligibility criteria requirement with “experience of installation and maintenance of AWS/ARGs for at least 3 Years in different states, and have a proven experience of installation commissioning, maintenance and operations (completed/ongoing) of more than 300 AWS and/or ARGs and/or Meteorological Towers cumulatively, in the last three out of five years”</p>	<p>May be read as –</p> <p>Business Turnover: Minimum annual turnover of 5 Crores in three out of last five years, specifically related to similar activities</p> <p>Average of Annual turnover for three years will be considered and marks will be given as follows: a) >=5 Crores & < 10 Crores: 10 Marks; Additional 1 Mark for each 50 Lacs increase in Average Turnover</p> <p>Annex A Undertaking Letter Point F</p> <p>May be read as –</p> <p>Annexure B: Proof of technical capacity and experience: The applicant must have installed, calibrated, maintained more than 300 AWS/ARG sites, including siting, sensors and other equipment, in the last 3 years.</p>
	<p>Section-II: Technical Specifications AWS and ARG Sensor Specifications Page No. 26</p>	<p>We understood from given specification that Sensors proposed for AWS/ARG should have model certification from IMD/NABL/Equivalent lab.</p>	<p>As per WINDS manual</p>

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	The Sensors shall be certified/calibrated by IMD or NABL accredited laboratories or equivalent.	We are proposing 100% factory calibration of all sensors with reference standard traceability to IMD/NABL as practically not feasible to calibrate all sensor supply at IMD/NABL Lab.	
3	Section-II: Technical Specifications Table 3: Automatic Rain Gauge Sensor specifications. Pg no. 18 Material of outer body and Housing (Base & Collector): Non-Corrosive material	Kindly Confirm We would like to propose ABS (Acrylonitrile Butadiene Styrene) Plastic non corrosive material for Outer body and Housing (Base & Collector). Kindly confirm.	Agency have to submit self certification that material of Automatic Rain Gauge outer body and Housing (Base & Collector) is Non-Corrosive material.
4	Section-II: Technical Specifications Table 6: Wind Speed and Direction Sensor specification Pg no. 20 Measurement Range (Wind Speed): 0-75 m/s	The selection of appropriate wind sensors for agricultural research applications in India necessitates consideration of the prevailing wind conditions and the specific research objectives. The criteria below have been formulated by the Indian Meteorological Department (IMD), which classifies the low pressure systems in the Bay of Bengal and the Arabian Sea on the basis of capacity to damage, which is adopted by the WMO.	As per WINDS manual
5	Section-II: Technical Specifications 1.4.2. Data Transmission or Reporting Pg no. 25	Through an examination of the typical wind conditions in Indian agricultural regions and the specific requirements of research projects in this domain, we suggest that a sensor with a 60 m/s maximum speed offers sufficient accuracy and reliability without incurring unnecessary costs. In given EOI Documents, Product specifications are defined for ATRH Sensor, TBRG and wind speed and direction sensor.	As per WINDS manual

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6	Annexure B: General Guidelines for AWS/ARG site preparation and installation II. AWS/ARG Civil Work Point. 2 Pg no. 41	There is no specification requirement defined for Atmospheric pressure sensor, Soil temperature and moisture sensor, solar radiation sensor, sunshine duration. While in JSON Template for data transmission, Solar radiation, Atmospheric Pressure, Soil moisture, soil temperature and sunshine duration data needs to be transmitted from datalogger.	As per WINDS Manual
7	Annexure B: General Guidelines for AWS/ARG site preparation and installation III. Enclosure/Fencing/Chainlink Point. 6 Page no. 42	Kindly Clarify for requirement of Pressure sensor, Soil temperature and moisture sensor and solar radiation sensor. For lower height mast of 3 meter and 2 meters for AWS and ARG Respectively, Mast pipe thickness with gauge 2 (7mm) would be over specification and will add unnecessary cost. As per our past experience we suggest for Mast pipe thickness of 4 to 5 mm. Kindly confirm.	As per WINDS Manual
8	In case of AWS system, the anchor rod supports the AWS mast. It should be rugged & strong. 3. Technical Details of Instrumentation & Siting WINDS MANUAL Page no. 28	From our past experience we feel that Guy ropes may not require for lower height (3 meter) AWS mast. It will add unnecessary cost. Kindly confirm.	As per WINDS Manual
8	All the AWS under the WINDS network shall have a tilt sensor/clinometer installed as part of the mounting assembly/mast, which shall detect any shifts caused by strong winds, vibrations, or other factors that could impact	As mentioned in WINDS Manual, all AWS should have Tilt sensor but tilt sensor specification is not defined in EOI as well as WINDS Manual. Kindly share requirement details of Tilt sensor.	Will be provided at a later stage.


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	the accuracy of the measurements. The tilt sensor shall generate automatic alerts on the WINDS Portal, if the measured tilt is more than the tolerance range of the sensor		
9	4. Financial Bid WINDS MANUAL Page no. 103 State/UT of has called for financial bid from empanelled WIPs only. The WIP quoting the lowest rates shall be declared as L1 on the basis of Least Cost System and work shall be awarded to such L1. The decision of the State shall be final and binding on all the Bidders.	The tenders floated by government like ISRO, for implementation of quantitative product/project requirement, They pre-fixed bid splitting percentage among L1, L2, L3.... Bidders and request them to meet L1 price after financial bid opening which helps to expedite project execution of quantitative product/project implementation. We humbly request you to add such bid splitting clause for faster execution of project.	WINDS manual should be followed.
10	clause no. 3 Scope of Work under Section I : General Aspect of EOI Invitation (Page No. 6-7) clause no. 2 Data hosting platform under Section II : Technical Specifications (Page No. 27-28) Winds portal	The Development of WINDS portal, Mobile application, Visualization tools like dashboard and Reporting tools, storage & hosting will be under the agency's scope of work or customer scope? Kindly Clarify	Development of WINDS portal is the responsibility of DA&FW
11	Incorporation of INSAT Telemetry system for no or poor network sites for data redundancy	As per our past experience, during site survey, we observed that some areas like hilly, forest and outward regions there is either poor or no GSM/GPRS network available. For such regions, Data reception through INSAT Telemetry is the best solution for data redundancy to avoid any data missing through GSM/GPRS Telemetry.	Hybrid system can be followed and financial implications need be mentioned.
B.	Query from Spatika Information Technologies Private Limited		
12	Page-9 Financial Capacity The agency should have a minimum annual turnover of 5.0 Crores in three out of last	To ensure wider participation and competitive bidding, we request that the annual turnover clause be amended to have minimum annual turnover of 5.0 Crores in 2 (Two) out of last 5(five) years	Not considered.

S.No.	Details of representative five years, specifically related to similar activities	Queries	Response/ Decision of the Committee
13	Page-2 EOI submission last date and time	Due to the long weekend and Bank holidays starting Friday March 8, 2024 (Maha Shivaratri), we request you to extend the deadline for submission of this EOI to March 19, 2024 which will give sufficient time for the applicants to prepare the EOI with EMD from Bank and send the documents by POST	Agreed. Last date is extended up to 13th March 2024
C	No query from Campbell Systems		

Meeting ended with thanks to participants.

List of participants

1. Dr. C. S. Murthy, Director, MNCFC- **Chair**
2. Dr. K. S. Hosalikar, Scientist-G, Surface Instrumentation Division- **IMD -Member**
3. Dr. A.V.M. Subba Rao, Pricnipal Scientist CRIDA-ICAR – **Member**
4. Dr. Ananta Vashisth, Principal Scientist, Agricultural Physics IARI-**Member**
5. Dr. Hari Prakash, Director QCI- **Member**
6. Sh. Uday Deshmukh, Project Manager, NHM and Coordinator for e Governance, Maharashtra-**Member**
7. Dr. Sunil Kumar Dubey, Deputy Director, MNCFC-**Member Secretary**


(Dr. C.S. Murthy)

Chairman of the WINDS Committee