



# **NATIONAL SPACE RESEARCH AND DEVELOPMENT AGENCY**

## **FEDERAL MINISTRY OF INNOVATION, SCIENCE & TECHNOLOGY**

### **OBASANJO SPACE CENTRE**

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September 19, 2025

The Grants Review Committee  
National Agency for Science and Engineering Infrastructure (NASENI)  
Idu Industrial Layout Abuja

#### **Endorsement for Research and Commercialization Grant Application – Development of a 15-Liter Fertilizer Application Drone**

It is my privilege to strongly endorse the application submitted by the Unmanned Aerial Vehicle Laboratory (AUAVL) of the National Space Research and Development Agency (NASRDA) for funding under the Research and Commercialization Grant scheme. The proposed project, titled "Development of a 15-Liter Fertilizer Application Drone," is an initiative that addresses a pressing challenge in modern agriculture—improving efficiency, precision, and sustainability in fertilizer application.

2. The project combines cutting-edge UAV (Unmanned Aerial Vehicle) technology with practical agricultural engineering to create a 15-liter capacity fertilizer application drone. Unlike conventional methods, this system will enable precise, automated, and targeted fertilizer distribution, reducing wastage, lowering input costs for farmers, and minimizing environmental pollution.

3. Beyond its technical advantage, the project has strong commercialization potential with opportunities for partnerships with agrochemical companies, drone manufacturers, and farming cooperatives. The team at AUAVL has completed a 1-Liter prototype development, field testing, and scaling. With the institutional support of NASENI, I am confident in their ability to deliver both high-quality research outcomes and commercially viable products.

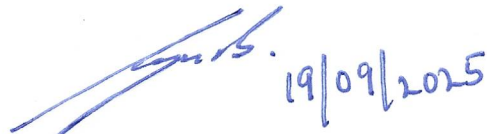
4. In line with the objectives of NASENI in food security to foster impactful research and technology commercialization, this project stands out as both timely and transformational. I therefore give my highest recommendation and strongly urge the committee to consider it favourably.

**RESTRICTED**



5. Thank you for your consideration.

Best Regards,

A handwritten signature in blue ink, followed by the date 19/09/2025, also in blue ink.

Dr. Yusuf Olatubosun Tafa  
For: Director General/CE