

Plastic Recycling Unit,  
Scientific Equipment Development Institute (SEDI),  
Enugu.  
21<sup>st</sup> October, 2025.

NASENI Research Commercialization Grant Programme (NRCGP),  
NASENI,  
Abuja.

Sir,

### **LETTER OF INTENT TO OFFTAKE – BIOMASS–LDPE WASTE NUGGETS**

We write to formally express our intent to offtake from the proposed *Biomass–LDPE Waste Nuggets Project* being established by NASENI, aimed at converting agricultural and LDPE plastic waste into renewable solid fuel through torrefaction technology.

As part of our sustainability and energy diversification strategy, we are committed to evaluate, design and develop a pilot facility for the above innovation. We are particularly attracted by the product's competitive attributes, including:

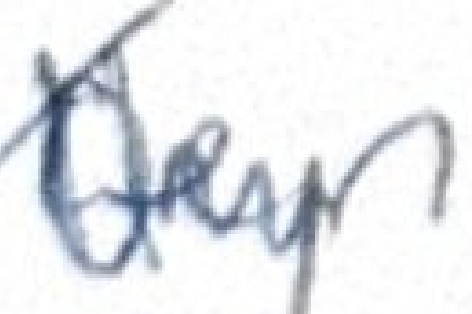
- High calorific value exceeding 7,000 kcal/kg.
- Cleaner combustion and reduced emissions compared to charcoal and firewood.
- Locally sourced, eco-friendly production that supports Nigeria's clean energy transition.

Subject to satisfactory quality testing and pricing terms, we intend to offtake an estimated 1 ton per day for use in industrial heating, bakery operations, foundry processes, etc.

We appreciate the project's alignment with environmental goals under SDGs 7, 12, and 13 that advances sustainable energy access while supporting circular economic growth.

Please consider this letter as a preliminary expression of intent.

Yours faithfully,



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Chief Engineer.

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