

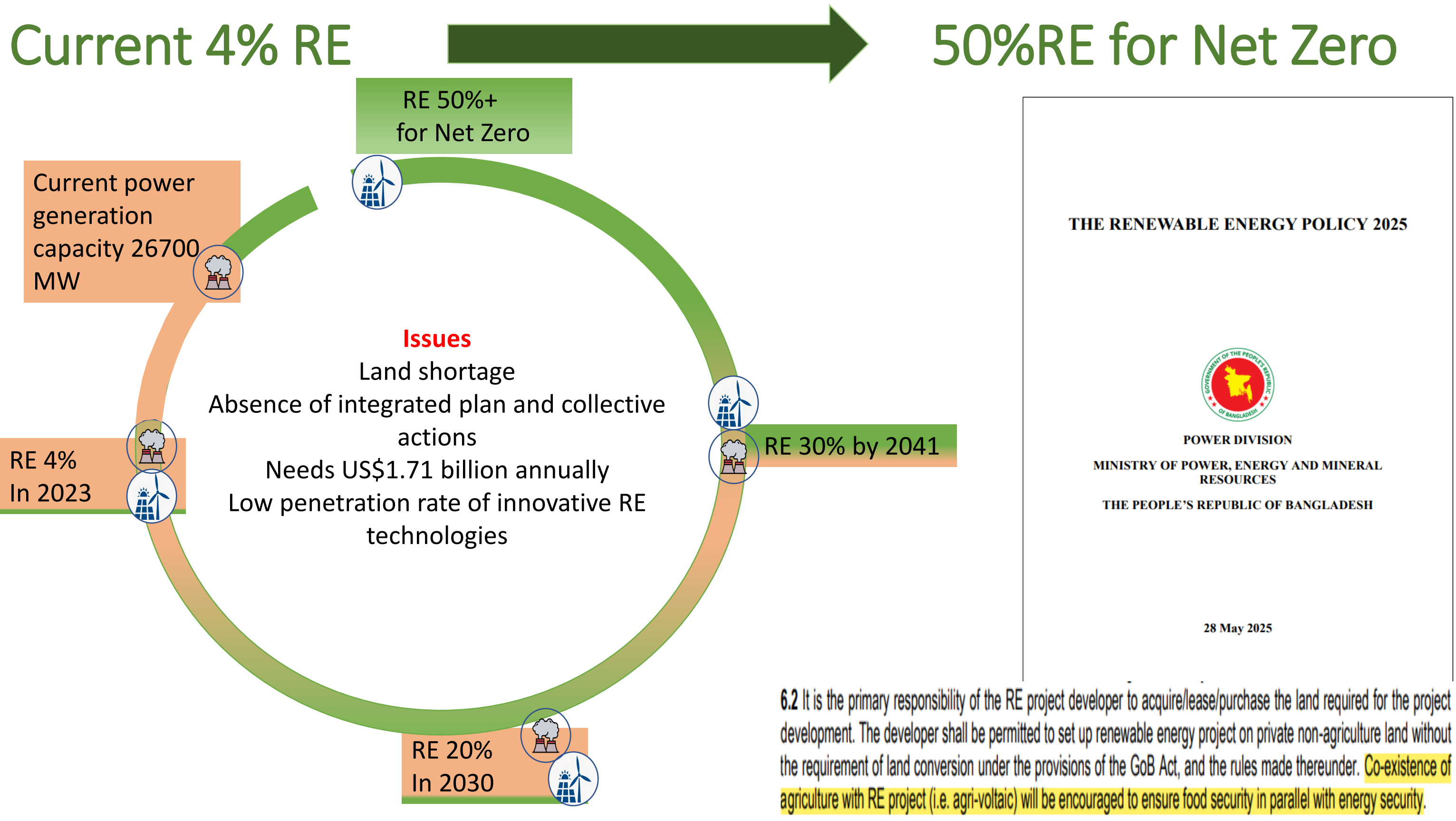


# Agrivoltaics-Based JCM Project for Synergistic Climate Action and Societal Resilience

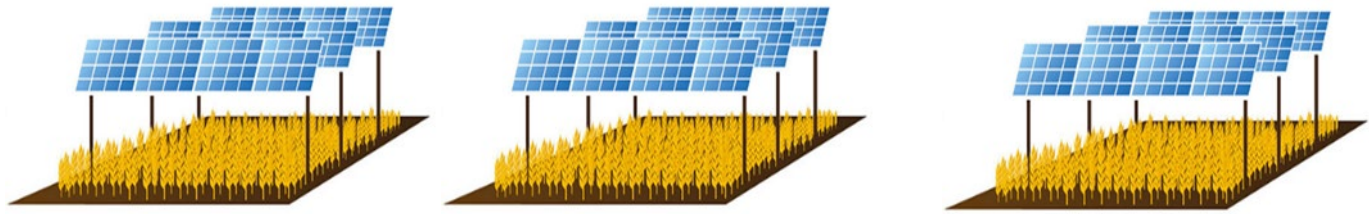
Presented by:  
Dipal C Barua  
Founder & Chairman  
Bright Green Energy Foundation (BGEF)

Collaborators: TERRA Inc, (Japan)

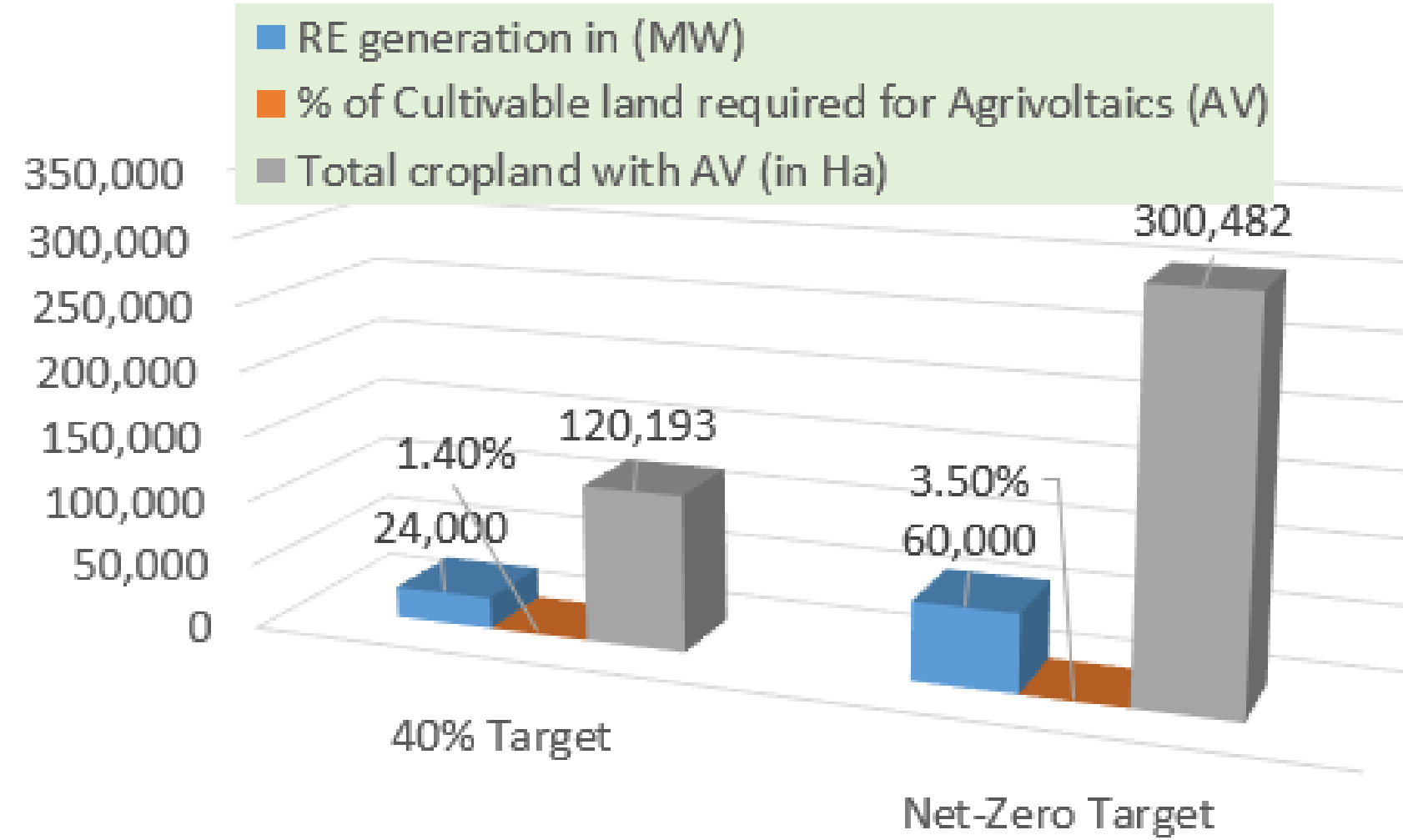






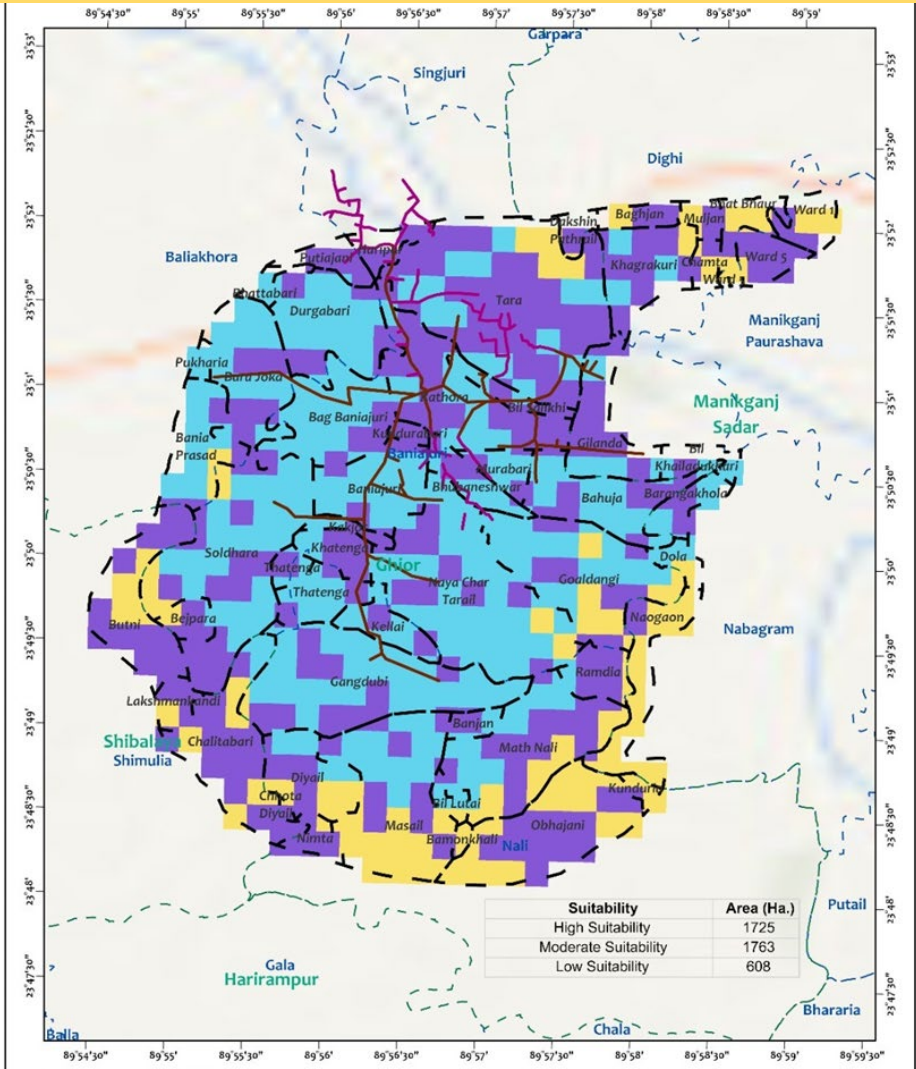


# Potential of Agrivoltaics in Bangladesh



Source: Mitra et al. 2024

## Suitable areas for AV in Ghior Upazila, Manikganj



Suitability	Area (ha.)	RE Generation potential (MW)	Carbon mitigation potential (tCO2/year)
High	1725	345	174703
Moderate	1763	353	178754
Low	604	121	61273
Total		818	414730 (~.5 M tCo2/year)

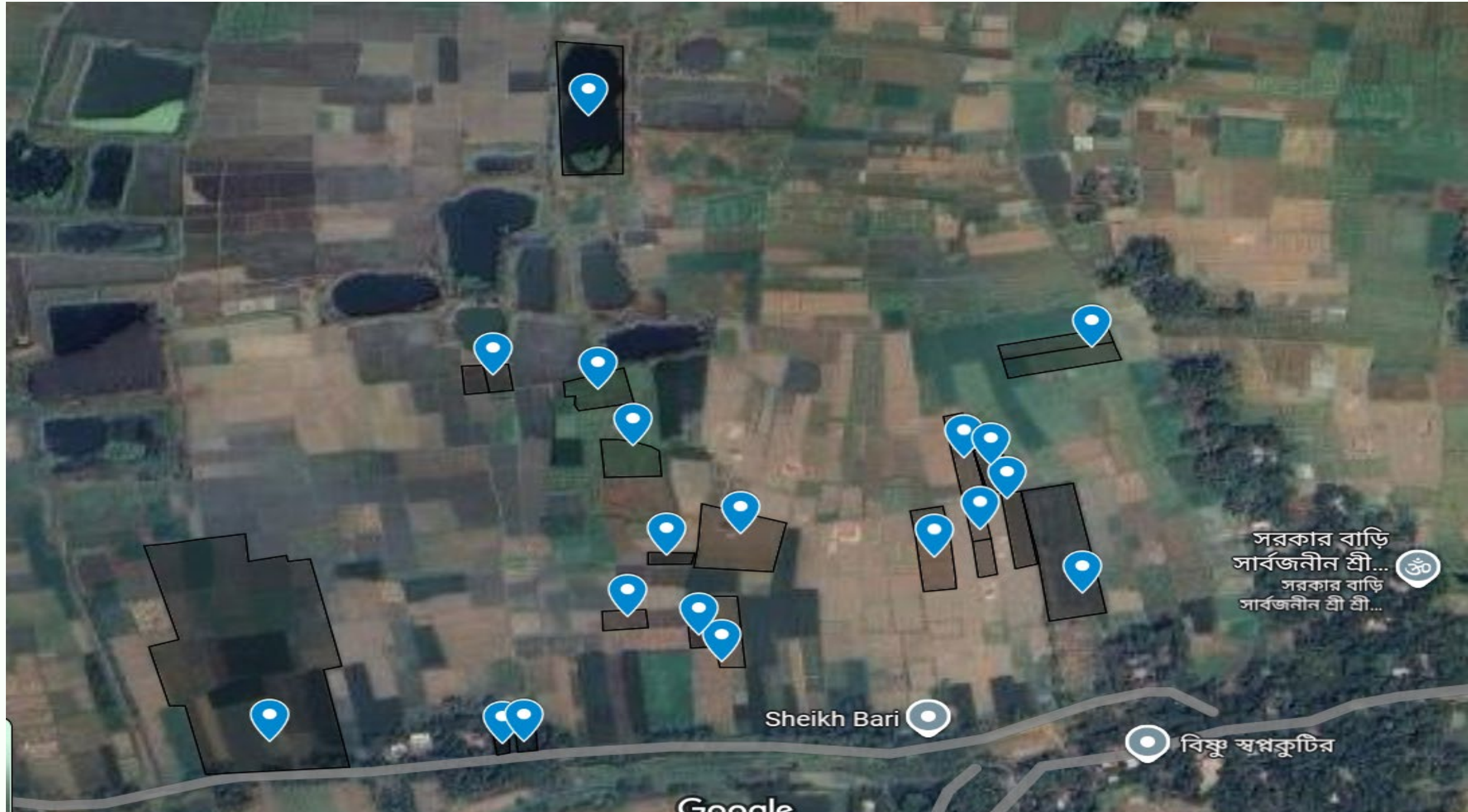


# Japan Inspired Design is the key feature of the proposed 1 MW for AV project: Lessons from visit of MEN X ENE (Chiba) and Aomori Kenmin Energy project in Hachinohe



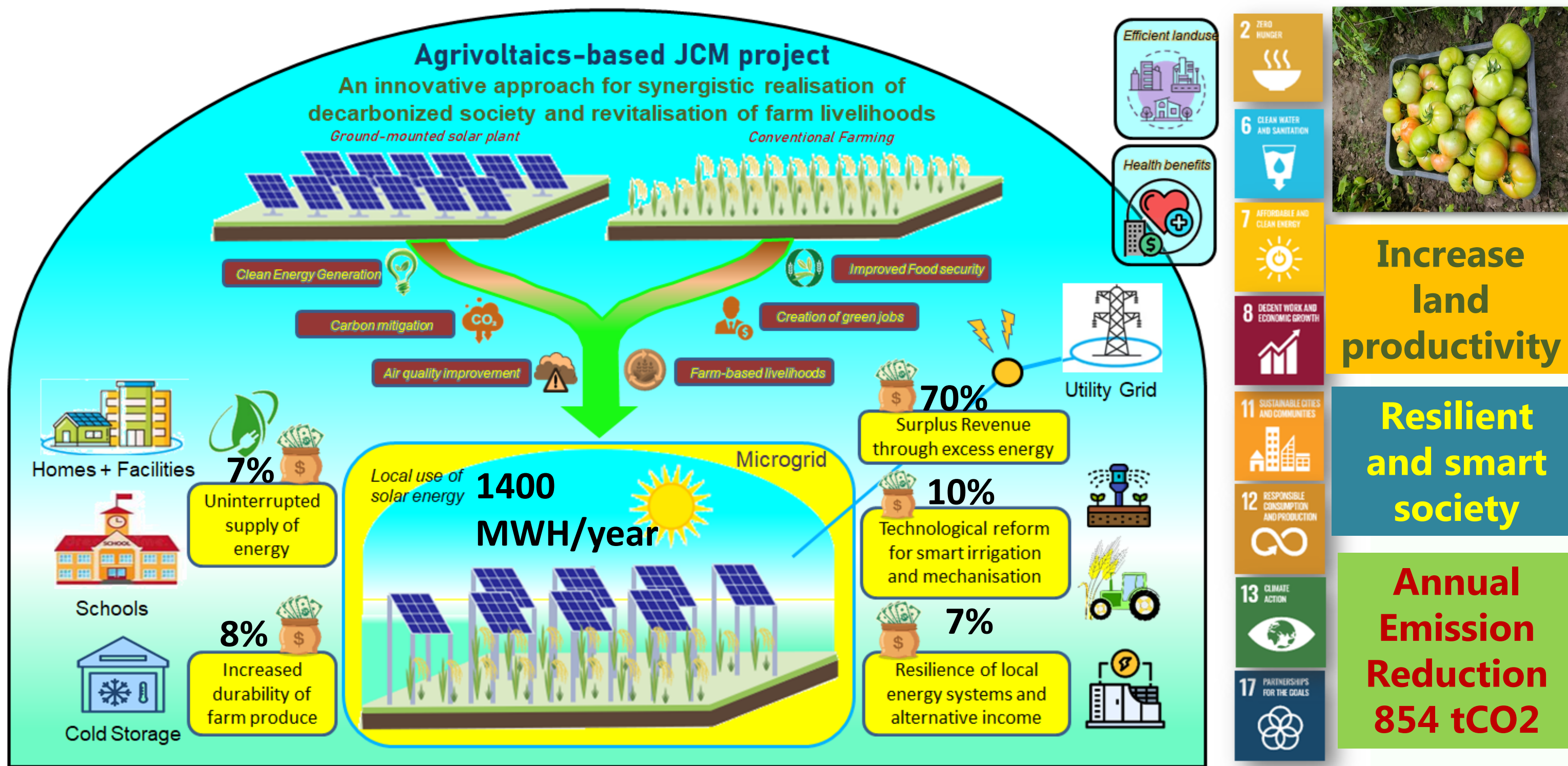


# Proposed 1 MW Agrivoltaic Site in Ghior, Manikgonj





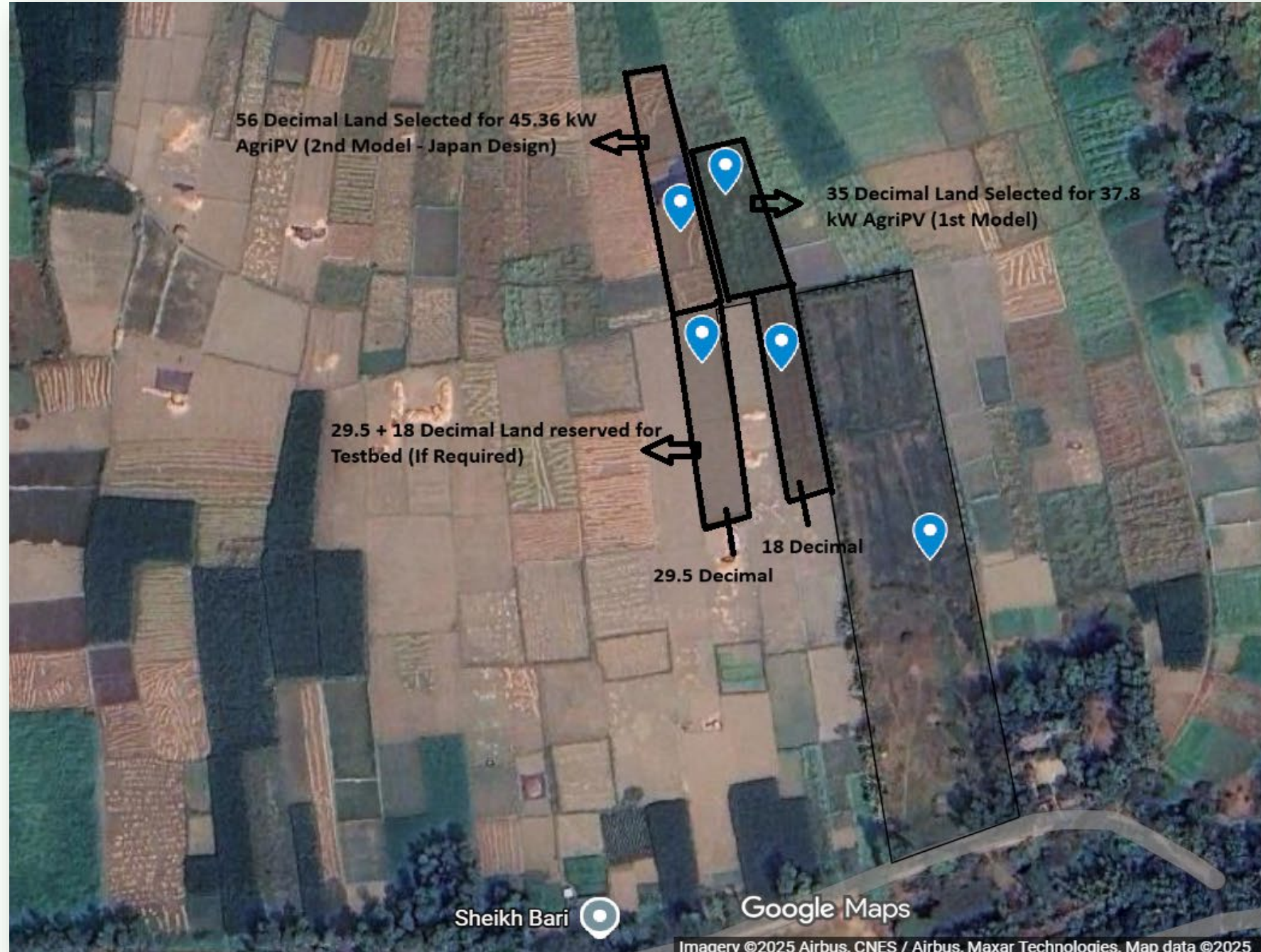
# Proposed Model of Agrivoltaic based local actions towards decarbonized society





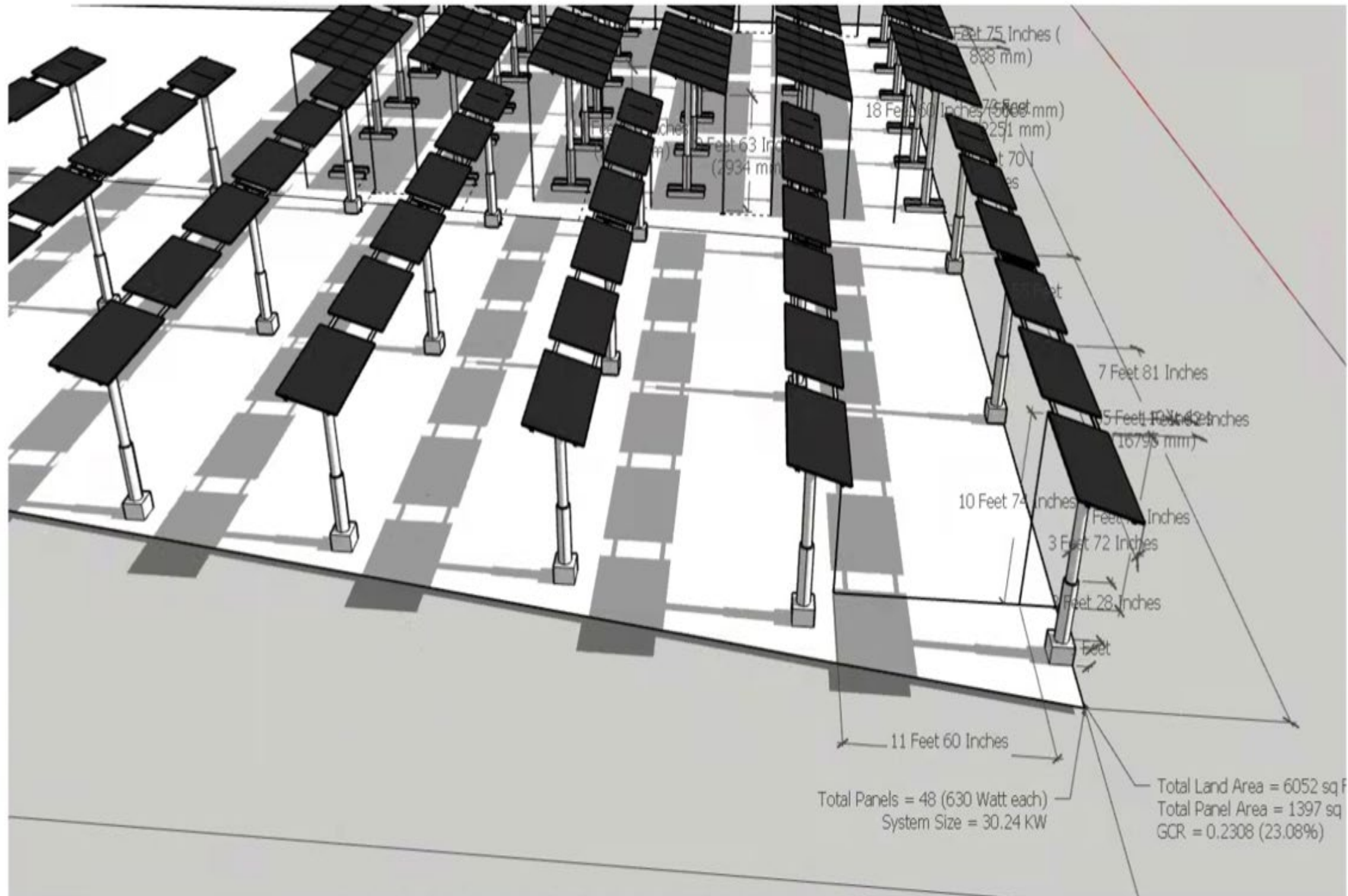
# Ongoing Agrivoltaics Pilot Project

In Collaboration with BRAC Institute of Governance and Development (BIGD), BRAC University, H&M Foundation and Bright Green Energy Foundation (BGEF)





# DESIGN OF THE PILOT PROJECT (2<sup>nd</sup> PHASE)



1. Gap between rows is 11 feet 60 inches
2. Total no. of panels are 48 with 8 rows & system size is 30.24 kW
3. Total land area is same as 6052 sq feet and total area of the panels is 1397 sq feet
4. The GCR is 0.2308 (23.08%)





**Thank You for your Kind Attention**