US-India Consortium for Development of Sustainable Advanced Lignocellulosic Biofuel Systems

Work Package 1

Bamboo
Sorghum
Pearl millet
Switchgrass

To develop high biomass yielding varieties of Bamboo, Sorghum & Pearl millet in saline and marginal land of Gujarat and Madhya Pradesh

Abellon | ICRISAT | DSR | RVSKVV | TNAU | MU | UF | Show Me Energy

Work Package 2

Stage Of Converting Biomass To Biofuel.

To develop versatile and efficient technology for conversion of biomass to biofuel with minimum GHG emission

IICT | JNTU | IIT-M | IIT-D
HPCL | UF
Green Technologies

OBJECTIVE 5
Develop standards & certification protocols

OBJECTIVE 6
Energy, emissions, & economic analysis

OBJECTIVE 7
Supply chain management analysis

Task-1: Analyze existing biofuel standards & certification
Task-2: Develop practical and custom design standards & certification protocols for biofuel and bio-products of this project

Task-1: Energy and emissions sensitivity report for different feedstock base biofuel production systems
Task-2: Assess economic feasibility of biofuels and bio-products
Task-3: Identify cost-effective strategies for long-term market growth for biofuels
Task-4: Assess drivers and barriers for non-food based biofuel adoption
Task-5: Assess private production model for advanced bio fuel feed stocks in India