MNRE–GEF–UNIDO Project - Organic waste streams for industrial renewable energy applications in India: PROPOSED WORK PLAN

	Project Activities	January 2023 - March 2024 (15 months)														
		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Component 1 – Strengthening Policy and Institutional Framework																
1.1	Development of the internet-based live dashboard of waste-to-energy projects in India to present their updated plant performance data including power, bio-CNG and thermal energy generation, Fermented Organic Manure (FOM) production and the amount of waste processed.															
Component 2 – Demonstration of most relevant financially feasible technologies in selected sectors		1	2	3	4	5	6	7	8	9	10	11				
2.1	Development of the biogas technologies and business models compendium.- Overview of microbial Anaerobic Digestion (AD) process of biogas generation; technologies of feedstock management and biogas generation, upstream and downstream technologies, Fermented Organic Manure (FOM) management; different business models of biogas applications; Types of plant ownership, operation and maintenance. Guidelines for the selection of multiple feedstocks for co-digestion; engagement project management agency; financial management of the project; selection of the technology providers															
2.2	Development of the guide for the market development of by-products of waste-to-energy biogas projects															
2.3	Development of the due diligence guidelines for waste-to-energy biomethanation projects															
2.4	Development of the guide to prepare the Feasibility-cum- Detailed Project Report (DPR) of the waste-to-energy biomethanation projects															
2.5	Installation and commissioning of demonstration projects															
2.6	Performance monitoring and analysis of installed projects															
2.7	Documentation of results of demonstration projects and preparation of case studies															
Component 3 – Increase use of Technologies in organic waste to energy applications in industry		1	2	3	4	5	6	7	8	9	10	11				
3.1	Develop a standardised long-term feedstock supply agreement															
3.2	Explore the potential sources of funds to support the scale-up and sustainability of potential innovation projects.															
3.3	Development of the framework for service support networks															
Component 4 - Capacity Building of Private and Public stakeholders		1	2	3	4	5	6	7	8	9	10	11				
4.1	OWTE Training programmes for financial institutions and SMEs															
4.2	Capacity building through Operation and Maintenance (O&M) training programme to service providers and SMEs															