

OUR INTEGRATED PROCESS/IDEOLOGY:

Collection & Transportation of Waste

- ✓ ICT based system for centralized tracking and monitoring for efficient resource utilisation
- ✓ Complete traceability of waste across the chain through GPS, camera-based system
- ✓ Periodic and live reporting system for the client
- ✓ Centralised complaint handling system the beneficiaries

Segregation and Processing of Waste

- ✓ Mechanised/Manual segregation of waste into different waste streams
- ✓ Maximum recovery of value from the mixed waste
- ✓ Upcycling and processing of waste using state of the art technologies which are sustainable and environment friendly in nature
- ✓ Converted into high value by-products like biogas, polyfuel, blockwalls, manure etc.

Scientific Disposal of Waste

- ✓ Upcycled products are sold in the market to the available consumer network
- ✓ Recyclables are sent to the recycling industry
- ✓ Inert, if required will be sent to the SLF. However, BP also offers a solution of inert waste to convert them into pavements, blockwalls, wave breakers etc.
- ✓ Traceability of all the waste through centralised monitoring & reporting

Our Circular Economy Model

- Awareness through IEC Activities
- Source segregation during collection process

Reduction and Segregation at source

- ICT based monitoring
- Complete Traceability through centralized dashboard

Adding value and reintroducing to economy



The Solution Framework

Efficient and responsible collection system



- Biogas generated used for fueling collection vehicles
- Polyfuel generated used for Hazardous waste processing
- Recycling of waste for revenue generation to support the project
- Manure generated used for agriculture compost

Recycling and waste processing



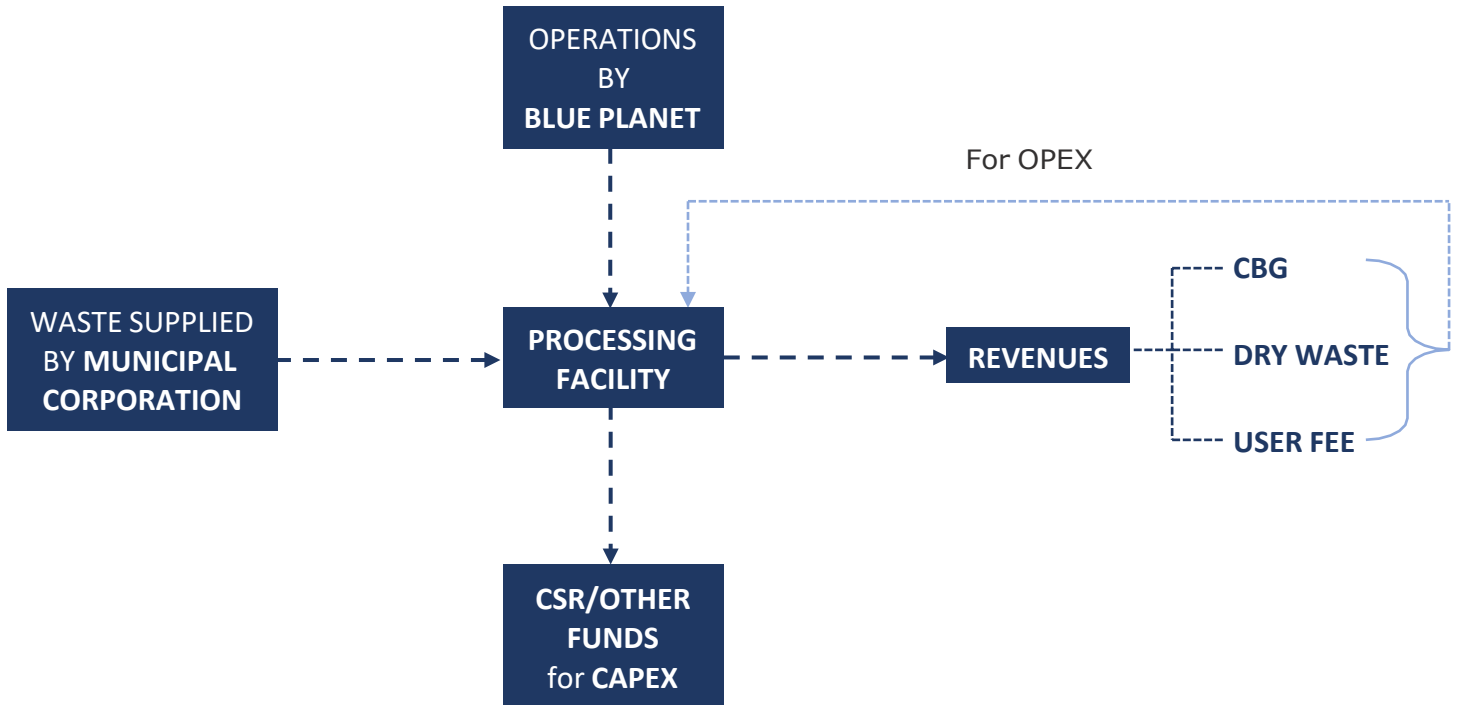
Maximum resource recovery through segregation



- Processing of different waste streams in scientific and sustainable manner
- Gives saleable byproducts

- Efficient segregation with more than 90% efficiency
- Supported by source segregation

Self Sustainability Plan for the Project



- ✓ Processing Facility shall be set up by Blue Planet with CAPEX by the CSR partner
- ✓ Waste Quantity based on the area allocated by Municipal Corporation shall be transported to the Facility via Collection and Transportation Activity by Blue Planet
- ✓ Operations of the processing facility with collection & transportation shall be done by Blue Planet.
- ✓ The OPEX of the project shall be done through the revenues generated from USER FEE and By-products.

Impact Through the Project

	DIRECT IMPACT	INDIRECT IMPACT
Environment	<ul style="list-style-type: none"> • Around 7500 MT of waste prevented from ending up in landfills every year • Avoids Carbon Emission by reducing long distance waste transportation and landfilling • Sustainable and Scientifically proven Technologies for processing of waste • Circular Economy Model by cross utilization of by-products in the system 	<ul style="list-style-type: none"> • Reduces Soil, Water and Air Pollution • Provides affordable, reliable, sustainable, and modern energy • Reduces Carbon Emission • Regulating emissions and promoting developments in renewable energy • Reducing Land Degradation
Social	<ul style="list-style-type: none"> • Impacting more than 1 lakh lives • 60+ Employment generation for next 10 years • Inclusion of informal waste workers In the system and providing them medical benefits and recognition 	<ul style="list-style-type: none"> • Promotes Well Being • Promotes Gender Equality in Work • Reduces Poverty by generating more employment • Making Cities and Community more sustainable • Providing opportunities for green and decent jobs
Governance	<ul style="list-style-type: none"> • Last Mile Traceability of scientific disposal of waste through centralised ERP • Safety measures as per CPCB norms • Compliance in terms of minimum wages, medical benefits, leave bonus, gratuity etc. for the employees 	<ul style="list-style-type: none"> • Promoting Sustainable Economic Growth • Promoting employment for informal sector

Sustainable Development Goals Achieved

