Waste to Energy: an appropriate solution for inclusive green growth and climate mitigation

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Practical Action

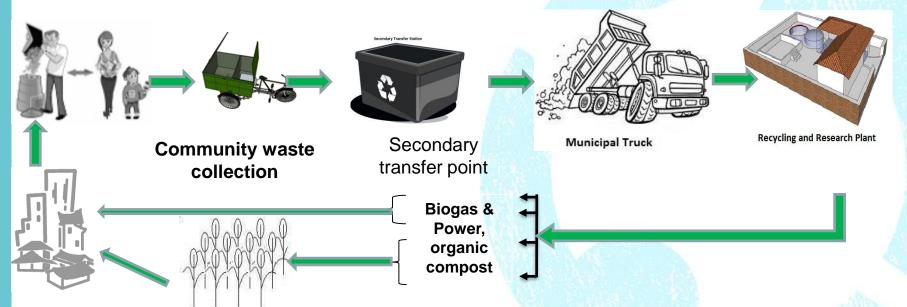




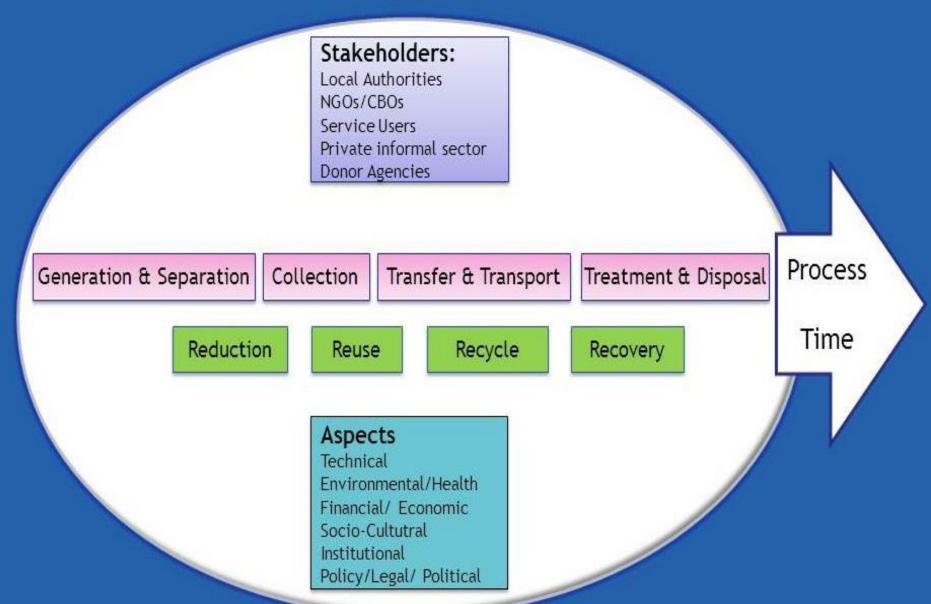
Municipal Waste Management: Current practice



Our approach - ISMW - Integrated Sustainable Waste Management System



Approach



Integrated Sustainable Waste Management



Policies

- ☐ 3R (reduce, reuse, recycle) strategy 2010 by DoE
- □ INDC 5% reduction in carbon emission by 2030
- Waste: Composting and landfill gas capture and power generation
- National Power Sector Master Plan waste to energy prioritised
- National Guideline on Biogas to Power (on going initiative)
- National Organic Agriculture policy 2016
- □ National Agriculture Policy 2018
- ☐ Green Financing and PPP policies



Technologies

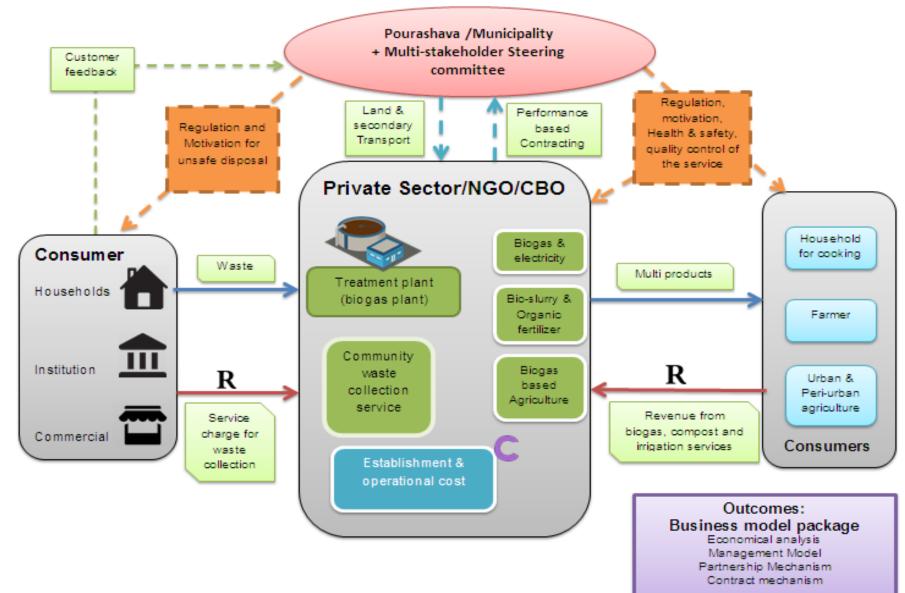
- **□** Dry Fermentation
- ☐ Co-digestion
- ☐ Complete mix
- **□** Plug Flow





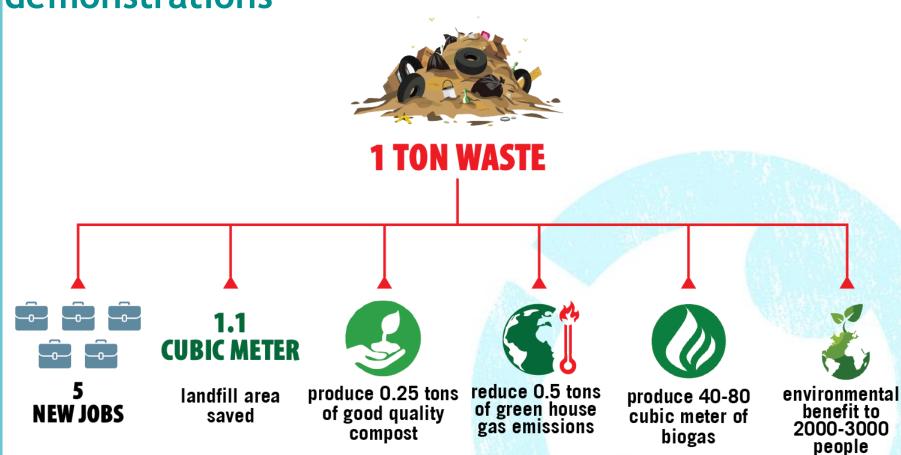
Public and Private Partnership (PPP) led Inclusive Business Model







Value of WASTE: learning from demonstrations





Challenges & Way Forward

Linkage with climate financing

Community awareness and participation in segregation of wastes
Lack of private sector engagement
Lack of Standardization
Lack of operational model of multi-stakeholder engagement
Development of National Action Plan with milestones for operationalize the 3R strategy
Development of Appropriate Business Model
Knowledge and learning exchanges

Thank you









