



# Karachi, Pakistan Action Plan

Solid Waste Management TDD  
Tokyo, Kitakyushu - Japan  
September 24-28, 2018

# Karachi, Pakistan Key Takeaways

1. 3 Rs Approach
2. Don't copy Solutions – Must Check country context and enabling environment.
3. Formalize informal sector to make them part of work force
4. Don't jump to High Tech solutions
5. Take private sector on board for operational skills & efficiencies



# Karachi, Pakistan Accomplishments Needed

1. 100% collection and safe disposal.
2. Eventual reduction in waste generation by reuse and recycling
3. Massive general awareness program & promotion of community participation in SWM
4. Mobilization of private financing & operations in sector
5. Institutional capacity & modern data techniques, for contract management, service management, performance tracking and enforcement

# Karachi, Pakistan Actions to be Taken

- **Short-term:**
  - SWM master planning. 2 years
  - Waste characterization & recovery study. 1 year
  - Data system for Service Management, Performance Monitoring. 2 years
  - program for community awareness / mobilization with NGOs / social workers. 2 years
- **Medium-term:**
  - Feasibility / appraisal for waste-to-energy / incineration to determine suitability. 2 years
  - Enforcing user fees or other system of cost recovery. 2 years
  - Program for mainstreaming of informal waste-picking + recycling. 2 years
  - Enabling framework to promote private financing. 3 year
- **Long-term:**
  - Developing of 2-3 sanitary landfill sites. 5-7 years



# Karachi, Pakistan - Barriers & Challenges to Implementation

1. Lack of expertise/ Capacity issues.
2. Public behavior and lack of civic sense.
3. Financial constraints.
4. Shortfall of work force due to socio economic issues.
5. Authentic data availability.



# Karachi, Pakistan - Lending and TA - Active or Needed

- Technical Assistance Work Planned:
  - WB conducting rapid technical assessment + action roadmap for sector.
  - Further studies are expected to provide a way forward for final treatment and disposal.
- Investment Work Planned:
  - 1. US\$50 Million – Amount kept by Provincial Govt as Aid to Local Govt. for routine collection in practice.
  - 2. US\$200 Million for establishment of 6 Nos. GTS



# Karachi, Pakistan - Support Needed

- **World Bank:**
  - Financial & technical assistance for Master Plan and various feasibility studies.
  - Programmatic Financial support covering social mobilization, recycling systems, & physical infrastructure (landfill + GTS)
- **TDLC Program (Japan)**
  - Operational expertise required in the following:
    - designing of landfill and GTS sites.
    - conducting social / community awareness and mobilization, behavior change of community
    - conducting feasibility / appraisal for waste-to-energy / incineration to determine its suitability
    - designing recycling system and value chain for organic, plastic and other types of waste
- **Knowledge Products (Case Studies, Policy Notes, etc.)**
  - Case studies on all / any of the above