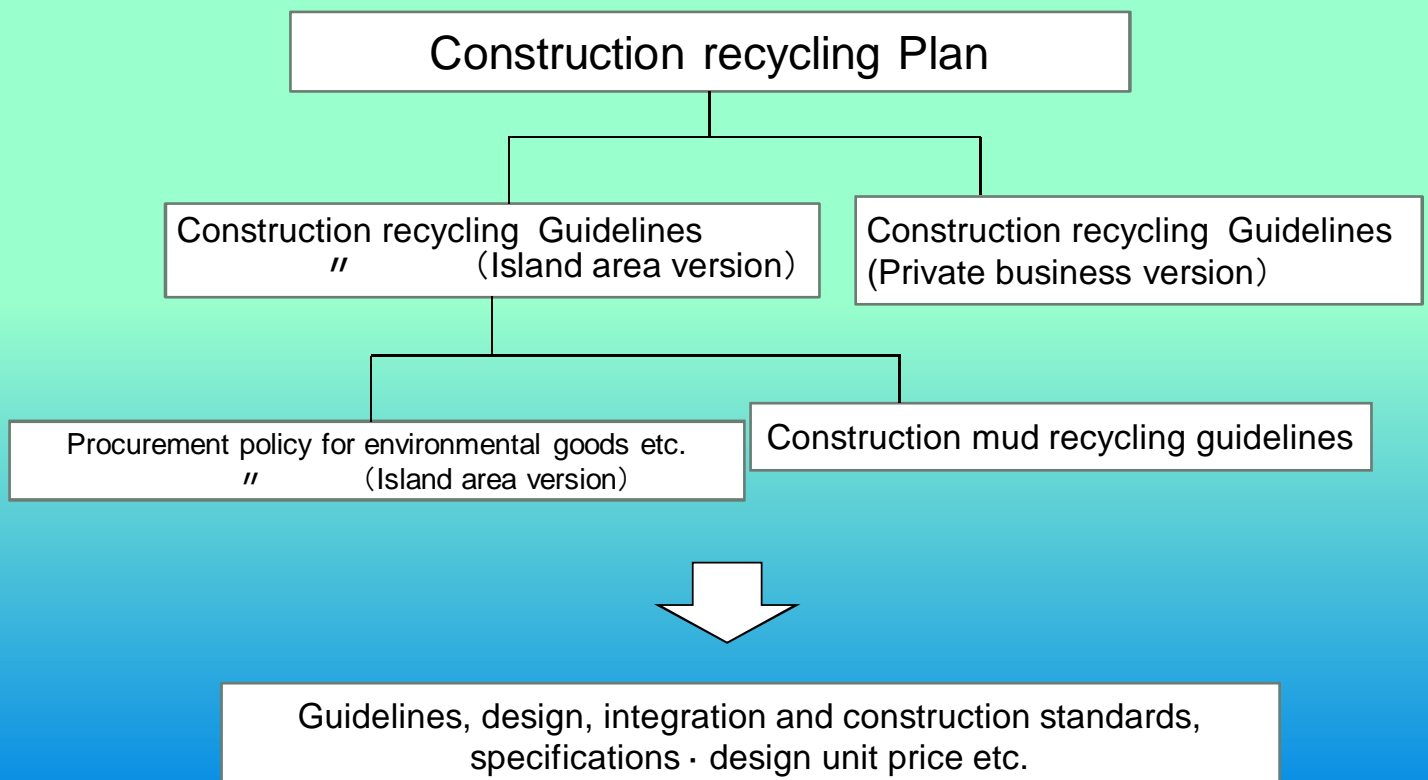


Measures Taken in Construction and Demolition Waste (CDW) Recycling In Tokyo Metropolitan Government

**Regional Coordination Section
Urban Development Policy Division
Bureau of Urban Development
Tokyo Metropolitan Government**

【System of construction recycling promotion plan etc. of Tokyo Metropolitan Government】



Tokyo Metropolitan Government Construction recycling Plan

Establish nine strategies focused on ensuring the effectiveness of construction resource circulation

Strategy 1 Utilize concrete waste and other

Strategy 2 Utilize woods waste

Strategy 3 Utilize construction mud

Strategy 4 Utilize construction soil(excavated soil)

Strategy 5 Utilize waste for construction materials

Strategy 6 Carry out green procurement in construction work

Strategy 7 Long-term use of buildings etc.

Strategy 8 Build a foundation to support the strategy

Strategy 9 Promote construction recycling in the island area

Tokyo Metropolitan Government Construction recycling Guideline

Purpose

- In order to steadily promote the strategy of promotion plan, we set necessary matters concerning the implementation of various measures concerning construction resource recycling

Scope of application

- Tokyo Metropolitan governments, supervision organizations, reporting organizations and wards, municipal orders, private works

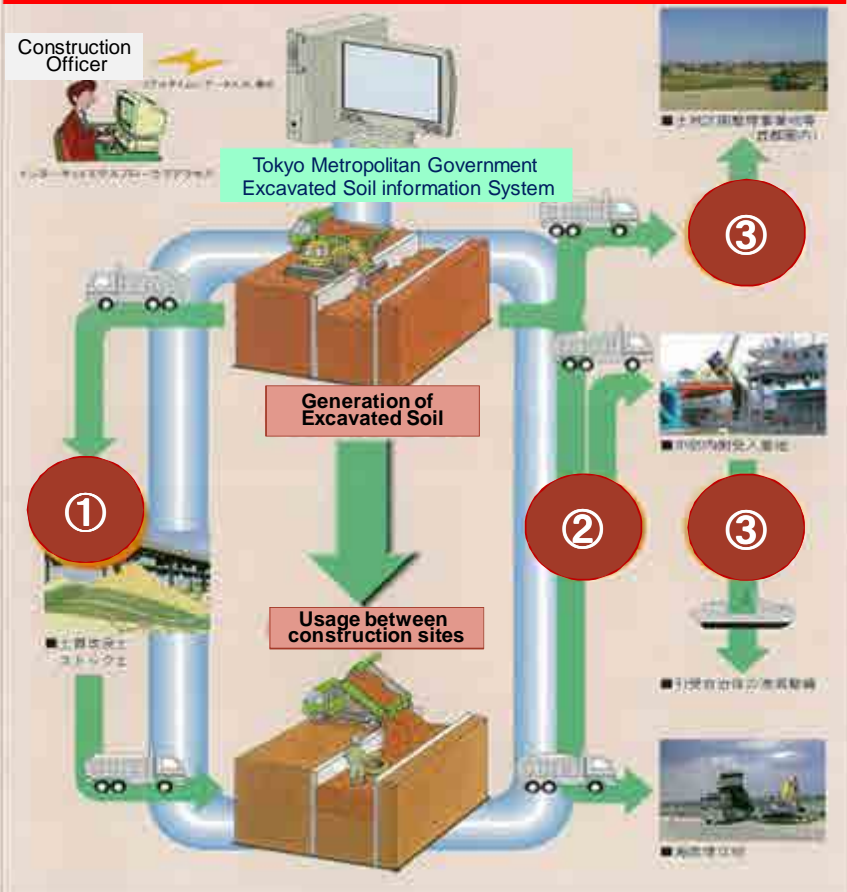
Point

- Creation of Recycling Plan
- Recycling of construction and Demolition Waste
- (excavated soil, concrete waste, etc.)
- Green procurement in construction work

Reuse Flow of Excavated Soil

Utilization outside the Tokyo metropolitan area

Centralized management of Excavated Soil information
(Bureau of Urban Development)



«Forecast of the amount of soil generated»

- Input of the next year quantity in the second half of the previous fiscal year, adjustment of the organization utilizing soil generated

«Usage between construction sites»

- Search for construction works that can be used between constructions using information system based on registration information

《Adjustment for designated utilization organization of Excavated soil》

- Adjust the registered data with the organization utilizing soil generated, determine the availability

**【Designated utilization organization of
Excavated soil】**

- ①Tokyo Metropolitan Construction Waste Soil
(Excavated Soil) Recycling Center
(Ariake district, Oume district, Akishima district)

- ②Tokyo Harbor Pier Co., Ltd.
(New ocean Disposal Site)
(Disposal site inside the central breakwater)

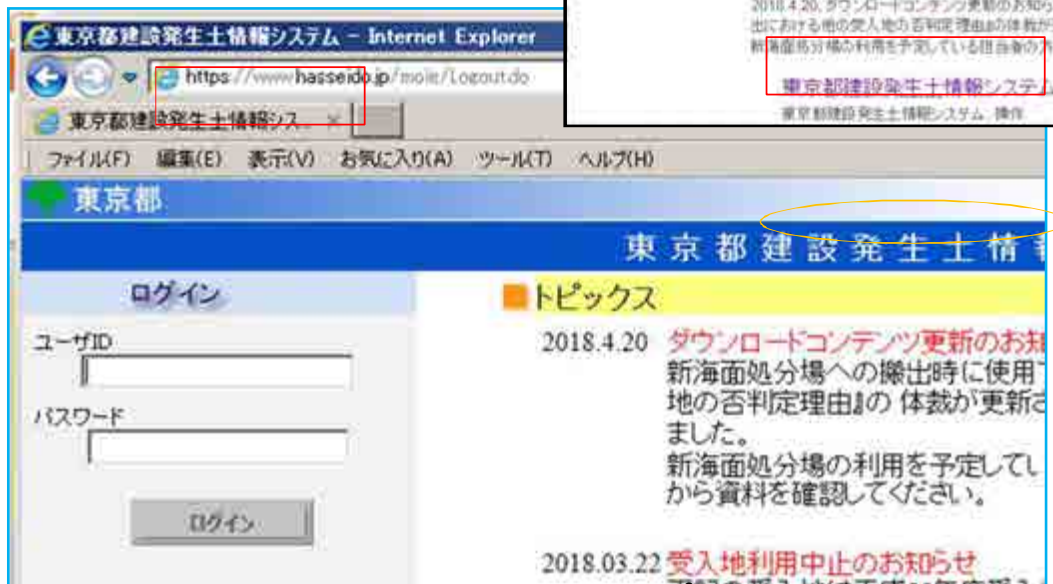
- ③Utilization of Construction Resource Center Co., Ltd (UCR)
(23 Used site of Excavated Soil)

- ④Excavated Soil improvement plant located at Nakagawa district
(Only for Sewerage Bureau)

Tokyo Metropolitan Government Excavated Soil information System

<https://www.hasseido.jp/>

(Only Japanese)



Trend of Recycled Aggregate Concrete

Recent situation of related standards

- **March, 28,2016 Ministry of Land, Infrastructure and Transport(MLIT)**
“Quality standards by application for recycling of concrete waste”
 - > Recycled aggregate concrete M can be used as a structure of muscle concrete.
- **Jun,2016 Ministry of Land, Infrastructure and Transport(MLIT)**
“Revised Building Standards Law Notice”
 - > The JIS standard conforming to Building Standards Law was changed from 2003 version to 2014 version.
 - > It became unnecessary to acquire certification by the minister when using ready mixed concrete using recycled aggregate H as a structural material.

JIS Standard

- **JIS A 5021(March,2005):recycled aggregate H for concrete**
- **JIS A 5022(March,2006):recycled aggregate M for concrete**
- **JIS A 5023(March,2007):recycled aggregate L for concrete**

Tokyo Metropolitan Government

- **Certification system for quality standards of recycled crusher-run(Fiscal Year 2017)**
 - > Tokyo Metropolitan Government (Environment Bureau) certifies the quality criteria of recycled crushed-run determined by private organizations.
 - > We also certify manufacturing facilities that meet the certification criteria.
- **Usage of recycled crusher-run**
 - > We are promoting the use of recycled crusher-run as roadbed material, infiltration trench material, gravel compaction material, backing material for retaining walls.

