



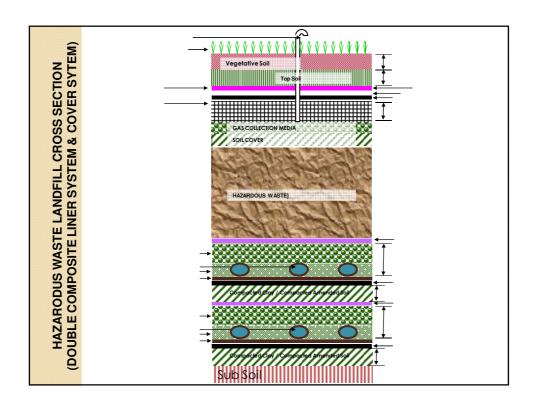




#### TNWML REGULAR ACTIVITIES

- · COLLECTION & TRANSPORTATION
- TREATMENT
- STORAGE
- DISPOSAL OF HAZARDOUS WASTE
  - · Land Fill
  - Incinerator





#### Stages of Landfill constructions

- Leveling of sub soil
- Secondary Clay Liner
- Laying of HDPE Sheet
- Laying of Geotextile sheet
- Leachate collection pipeline and filtermedia
- Laying of Geotextile
- GĆL Laying at Slopes
- Primary Layer Clay liner
- Laying of HDPE Sheet
- Laying of Geotextile
- Leachate Collection Pipeline and filtermedia
- Laying of Geotextile
- Waste Dumping

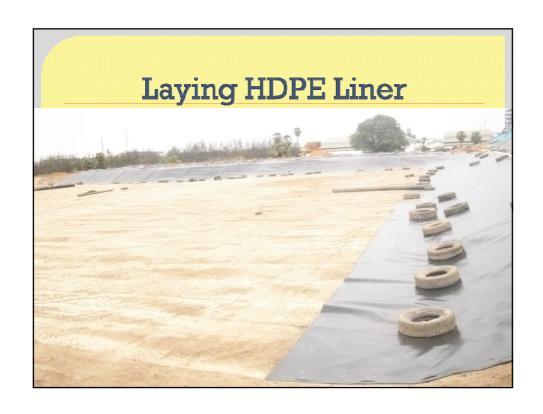


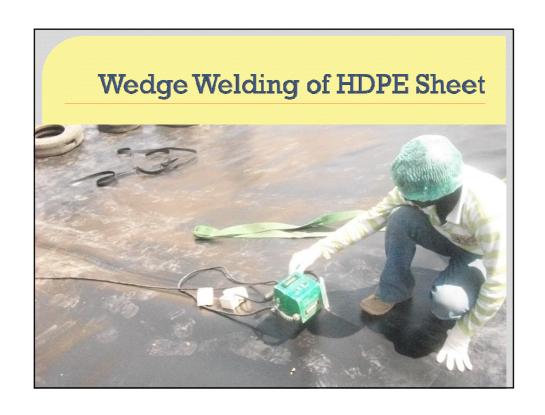


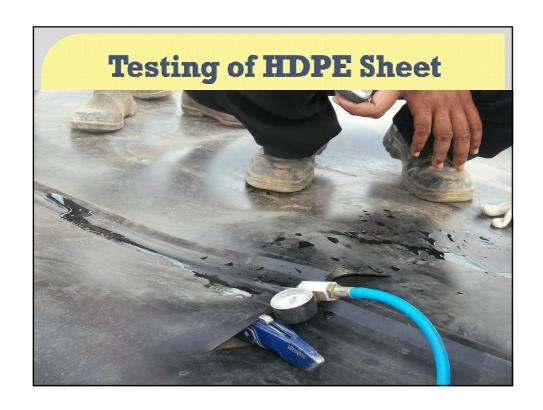


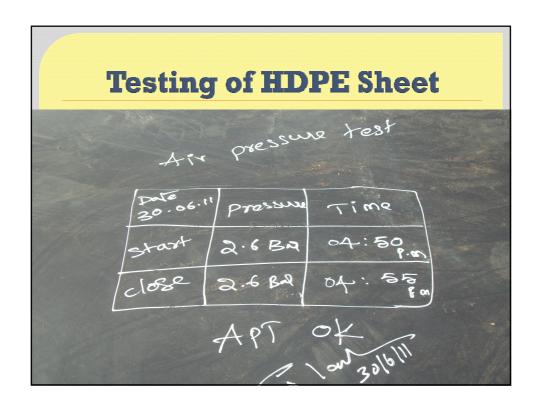


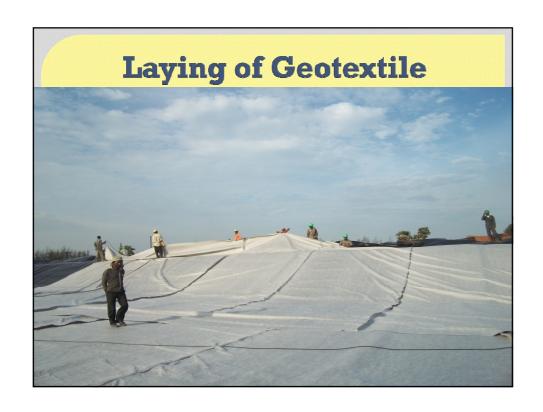






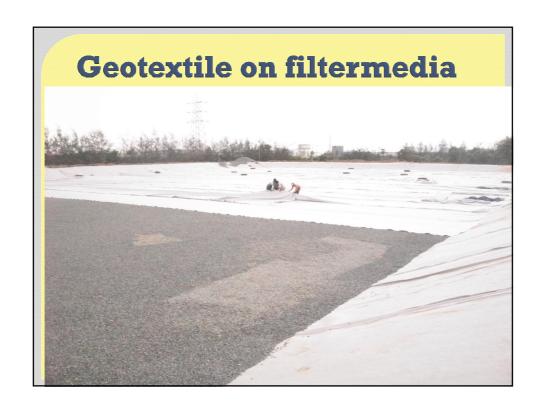


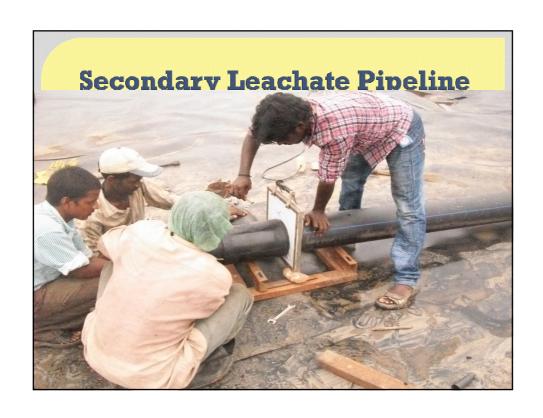












# Laying GCL at slopes after Geotextile



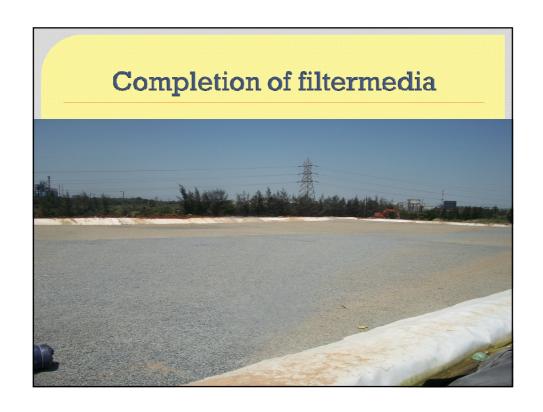


## **Spreading of Primary Clay Liner**

















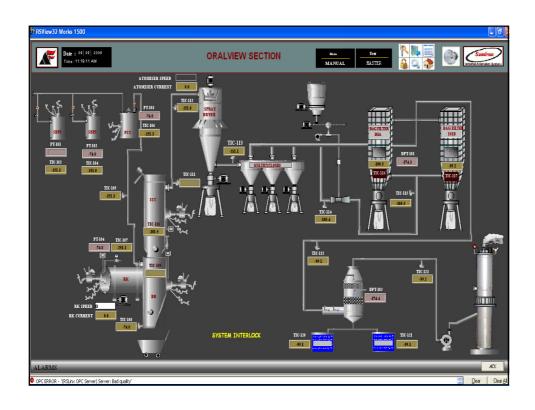
## **Landfill Area Specifications**

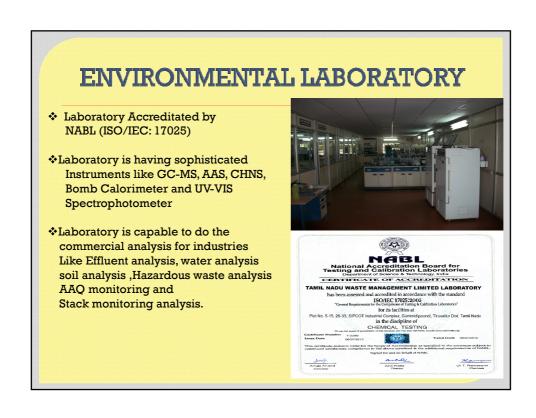
- Total land allocated for TSDF at Goommidipoondi SIPCOT Area: 67 acres
- Total Land approved for current Operation 27 Acres
- Current Total Landfill Working Area for 10 acres
  - Filled and Operational Area = 5.8 acres
  - Area to be extended= 4.2 acres

Further Expansion of TSDF land area for approval: 40 Acres.

#### View of Incinerator of TNWML







### Procedure for Disposal of Hazardous waste in TNWML

- First step industry has to get the IWMA membership
- Sample has to be submitted to TNWML for comprehensive
- analysis
  TNWML will provide complete report of hazardous waste along with suitable disposal method
- Industry has to enter in to Agreement with TNWML
- Industry has to submit all the above documents to TNPCB for Authorization.
- After getting the authorization from TNPCB, the copy has to submit to TNWML.
- Based on the authorization TNWML will lift the waste from Industry for Disposal.

#### **TSDF Performance Monitoring**

- IWMA
- TNPCB
- OCPCB
- Third Party- IIT Madras, ISO Systems
- And, Self

## Glimpses of Visitors at TNWML

TSDF - Gummidipoondi







### **Proposed Project**



- Integrated Common Hazardous Waste Treatment, Storage and Recycling Facilities
  - at
  - ▶ Undurumikidakkulam, Thiruchuli Taluk,
    - Virudhunagar District, Tamil Nadu
      - Project Proponent
  - **▶ Tamil Nadu Waste Management Limited** 
    - **RAMKY GROUP COMPANY**

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		New Project	<u>ct Birci</u>	
Project Activity	Common hazardous waste treatment, storage and disposal facilities (TSDFs).			
Project Capacity	Phase I	Hazardous Waste	Secured Landfill	150000 TPA
			Direct landfill	60000 TPA
			Stabilized material land filling	90000 TPA
		Bio Medical Waste	(30000 Beds app.)	1 TPD
		E-waste		30000 TPA
	Phase II	Recycling Facility	Spent Solvent Recycling	10000 KL
			Used Oil Recycling	10000 KL
			Waste Paper Recycling	10000 TPA
			Waste Plastic Recycling	10000 TPA
			Used Lead Acid Batteries	24000 TPA
		Alternative fuel & Raw Material Facility		10000 TPA
		Incinerator		20000 TPA
	Phase III	Renewable Energy		2 MW
		Waste to Energy		2 MW
Cost of the project	RS 270 Crores			

