International Lead Association
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Regional Overview of ULAB Regulations and Practices in Asia

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Cambodia

ULAB Recovery and Recycling Status

- Jurisdiction – Ministry of Environment
- All ULAB collected exported to Vietnam
- All ULAB are drained prior to export
- Informal network of Vietnamese collectors
- No plans to recycle ULAB domestically
China

ULAB Waste Management Policy/Laws

• Jurisdiction – Ministry of Environment
• All ULAB are recycled domestically
  – But only 30 – 40% by formal sector
• Formal ULAB recyclers are licensed
• New Access Conditions apply to recyclers
• ULAB exports and imports are banned
China

Access Condition Legislation - Parameters

• Proximity Clause – 1 kilometre
• Size Clause – Minimum of 50,000 tpa Pb
• Emission and Discharge controls
• Vigilant monitoring and enforcement
• Approximately half of all smelters closed
India

Battery Management and Handling Regs.

- Does not follow the Basel Tech Guidelines
- Bans the import of whole ULAB
- Permits the import of used battery plates!!
- Formal licensing process – no inspection
- Informal sector recycles ~ 60% of ULAB
Indonesia

ULAB Recovery and Recycling Status

- Jurisdiction – Ministry of Environment
- Formal licencing process
- ULAB collection is formal and informal
- Informal smelters thrive
- Government actively engaged to improve
Japan

ULAB Recovery and Recycling Status

- Jurisdiction – Ministry of Environment
- Formal licensing process for smelters
- Domestic ULAB are recycled in Japan
- Modern environmentally sound plants
- Conforms to the BC and the Tech Guide
Malaysia

ULAB Waste Management Status

- Jurisdiction – Ministry of Env. & Nat. Res.
- All ULAB are recycled domestically
- Formal ULAB recyclers are licensed
- Follows Basel Technical Guidelines
- ULAB imports are banned
Nepal

ULAB Recovery and Recycling Status

- Jurisdiction – Ministry of Environment
- Have not enacted laws for the BC admin
- ALL ULAB exported illegally to India
- Little or no evidence of illegal recycling
- Government wants to recycle in Nepal
Philippines

ULAB Waste Management Status

• Dictated to an extent by the car industry
• Major LAB producer and ULAB recycler
• All ULAB are recycled domestically
• Formal ULAB recyclers are licensed
• Informal ULAB recycling is endemic
Singapore

ULAB Waste Management Policy

- Accession – January 96
- Hazardous Waste Act – Export/Import
- All ULAB are exported - PCD Permit
- Follow BC for Prior informed consent
- Enforced through constant monitoring
South Korea

ULAB Recovery and Recycling Status

- **Jurisdiction** – Ministry of Environment
- **Formal licencing process for ULAB**
- **Massive LAB industry for Auto production**
- **Imports ULAB globally** – but all drained
- **Government not engaged to improve ESM**
Sri Lanka

ULAB Recovery and Recycling Status

- Jurisdiction – Ministry of Environment
- Formal licencing process
- One environmentally sound smelter
- Recycles all domestic ULAB
- Not engaged in any upgrade process
Thailand

ULAB Waste Management Status

- **Jurisdiction** – Ministry of Env. & Nat. Res.
- All ULAB are recycled domestically
- Formal ULAB recyclers are licensed
- Follows Basel Technical Guidelines
- ULAB exports and imports are banned
Vietnam

ULAB Recovery and Recycling Status

- Jurisdiction – Ministry of Environment
- Commune based village recycling
- Smelters are licensed
- Technology dates from 400 BC
- Government now working to upgrade
Thank you