INSTITUTIONAL ARRANGEMENTS AND MRV SYSTEM OF THE NAMA

Vuong Xuan Hoa
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II. INSTITUTIONAL ARRANGEMENTS

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POLICIES ON SOLID WASTE MANAGEMENT IN VIETNAM

• National Strategy for Integrated Management of Solid Waste up to 2025 and Vision towards 2050;
• Management of greenhouse gas emissions: management of the activities of trading carbon credits to the international market;
• National Strategy for Climate Change;
• Strategic Orientation for Sustainable Development in Viet Nam;
• Directive 23/2005/CT-TTG on enhancing the management of solid wastes in urban centres and industrial parks.
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1997</td>
<td><strong>Directives No.199/TTg</strong> On urgent measures to manage the solid waste in the urban and industrial districts</td>
</tr>
<tr>
<td>17 December 2009</td>
<td><strong>Decision No. 2149/QD-TTg</strong>: National Strategy for Integrated Management of Solid Waste up to 2025 and Vision towards 2050</td>
</tr>
<tr>
<td>11 October 2010</td>
<td><strong>Decision No.1873/QD-TTg</strong> of the Prime Minister on the approval of the planning on developing the solid waste treatment zone in the key economic region of the Red River Delta until 2020</td>
</tr>
<tr>
<td>5 December 2011</td>
<td><strong>Decision No 2139/QD-TTg</strong> The National Strategy for Climate Change</td>
</tr>
<tr>
<td>21 November 2012</td>
<td><strong>Decision No. 1775/QD-TTg</strong> “Management of GHG emissions: management of the activities of trading carbon credits to the international market”</td>
</tr>
<tr>
<td><strong>Directives</strong></td>
<td></td>
</tr>
<tr>
<td>August 2006</td>
<td><strong>Decree No.80/2006/NĐ-CP</strong>: provides detailed regulations and guidelines for implementation of a number of articles of the <em>Law on Protection of the Environment</em></td>
</tr>
<tr>
<td>August 2006</td>
<td><strong>Decree No. 81/2006/NĐ-CP</strong>: on sanctioning of administrative violations in the domain of environmental protection</td>
</tr>
<tr>
<td>April 2007</td>
<td><strong>Decree No.59/2007/NĐ-CP</strong>: on Solid Waste Management, regulates the principles for solid waste management, rights and obligations of entities engaged in solid waste-related activities</td>
</tr>
<tr>
<td>November 2007</td>
<td><strong>Decree No. 174/2007/NĐ</strong>: for environmental protection charges for solid wastes</td>
</tr>
<tr>
<td>August 2011</td>
<td><strong>Decree No.67/2011/NĐ-CP</strong>: a number of articles of law on environmental protection tax</td>
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</tbody>
</table>
INSTITUTIONAL ARRANGEMENTS
For Waste Management in Vietnam

MOIT
MONRE
MOC
MOH
MARD

Industrial Waste
Municipal Waste
Medical Waste
Agricultural Waste

Hazardous waste
Non-Hazardous
Hazardous waste
Non-Hazardous
Rural and Agriculture waste
Waste from craft villages
Institutional Arrangements

- NAMA Facility
- Green Climate Fund
- Development Banks
- Other international donors

National Level:
- MoNRE
- MoC
- MARD
- MoIT

Sub-national Level:
- VEPF
- VEA
- DMHCC
- DSTE

Provincial Governments
Municipal Governments
Project Developers
URENCOs
<table>
<thead>
<tr>
<th>Organization/Functional Unit</th>
<th>Proposed roles and responsibilities</th>
</tr>
</thead>
</table>
| DMHCC (MONRE)               | • Viet Nam focal point to the UNFCCC on NAMAs  
                               • Focal point and overall coordination of the Waste-to-Resource NAMA  
                               • To evaluate and approve - to monitor – to take record – to ensure coordination with other Ministries |
| DSTE (MOC)                  | • a focal point on behalf of MoC |
| VEA                         | • a focal point of MONRE |
| VEPF                        | • the financing focal point of the NAMA  
                               • Establish the financial mechanism |
| Provincial-level authorities | • To implement national targets for 3R at the province level  
                               • Assign a focal point to be in charge of activities related to the NAMA  
                               • Support – Coordinate – Record (activities and financial contributions) |
| Municipal-level authorities | • the focal point  
                               • Set strategy on MSW management, and targets for the initiative-deployment (optional) - Monitor, record and submit reports |
| URENCOs                     | • Work with municipal and provincial level authorities in implementing initiatives  
                               • Directly take part on specific project level activities, |
| IMHEN                       | • Develop detailed modules/elements of the NAMA programme;  
                               • Provide technical support to the NAMA Management Board, |
| Project developers          | • Implement projects  
                               • Record and submit records to municipal/provincial government |
MRV SYSTEM

Ensure transparency

- mitigation actions
- outputs and outcomes
- impacts on GHG mitigation
- sustainable development

Subjects

- implementation progress
- the impacts
- the support received

R-V: ensure communication and facilitate assessment.

M: Assess the implementation/achievement of objectives
MRV SYSTEM - Measurement

Activities
- Policy supports
- Technical supports
- Capacity building
- Financial sponsors for NAMA’s activities

Outputs
- Power generation output (kWh)
  - NAMA vs. BAU

Outcomes
- GHG reduction
- Mitigation capacity improvement
- Sustainable development benefits

Impacts
- Domestic mitigation registry
- UNFCCC registry
- Reporting to donors/other

Project boundary
<table>
<thead>
<tr>
<th>Solutions</th>
<th>Activity</th>
<th>Progress indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Outputs</td>
</tr>
<tr>
<td>Policy</td>
<td>Complement/develop legal documents</td>
<td>Number of legal documents</td>
</tr>
<tr>
<td></td>
<td>Developing a master plan for composting plants</td>
<td>A master plan for composting plants</td>
</tr>
<tr>
<td></td>
<td>Developing incentives to attract investors</td>
<td>Number of incentives</td>
</tr>
<tr>
<td>Technical</td>
<td>Purchase/set up waste separation facilities</td>
<td>Number of waste separation facilities</td>
</tr>
<tr>
<td></td>
<td>Establish environmental standards</td>
<td>Number of environmental standards</td>
</tr>
<tr>
<td>Capacity</td>
<td>Enhance awareness of community</td>
<td>Number of people informed</td>
</tr>
<tr>
<td>Building</td>
<td>Training workshops</td>
<td>Number of training workshops</td>
</tr>
<tr>
<td>Financial</td>
<td>Establishing a waste-to-resource fund</td>
<td>The amount of fund</td>
</tr>
<tr>
<td>sponsors</td>
<td>Developing the market for distribution of the compost</td>
<td>The number of people willing to buy compost</td>
</tr>
<tr>
<td></td>
<td>Developing the market for recycled paper, plastic and metal</td>
<td>The number of people willing to buy recycled paper, plastic and metal</td>
</tr>
</tbody>
</table>
## MEASUREMENT
### Impact Indicator (cont.)

<table>
<thead>
<tr>
<th>Impact dimension</th>
<th>Outcome</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHG emission reduction</td>
<td>Reduce GHG emissions from landfills</td>
<td>* MWh output from Anaerobic digestion power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* TCO2e.q reduced under NAMA</td>
</tr>
<tr>
<td>Sustainable development benefits</td>
<td>Reduce air pollution and healthcare costs</td>
<td>Air pollution at landfill sites and healthcare costs</td>
</tr>
<tr>
<td></td>
<td>Create job and new services</td>
<td>Number of new companies and their employees.</td>
</tr>
<tr>
<td></td>
<td>Ensure energy security</td>
<td>Increasing rate of indigenous supply or the share (%) of total energy supply from Anaerobic digestion plants</td>
</tr>
<tr>
<td>Stakeholder improvement</td>
<td>Stakeholder capacity improvement through education and training</td>
<td>Number of training programs, workshops, site visits</td>
</tr>
</tbody>
</table>
MRV SYSTEM Reporting

• Be required from financiers, domestic policy makers and international
MRV SYSTEM – Verification

• Independently checking the accuracy and reliability of information reported
  – cover all activities of NAMA
  – desk review of reports, site-visits for specific projects and interviews with stakeholders involved
  – internal verification and external verification
    • Internal: by domestic consultant organizations should be carried out regularly
    • External: Third-party verification by international consultants may be required
THANK YOU