



















I. Food Security and Climate Resilient Agriculture:

Adaptation Options:

- Planning and designing of future investment programmes that take into account climate abnormalities;
- 2. Development of climate-resilient, disease-resilient crop varieties
- 3. Strengthen adaptive capacity of the agricultural agencies
- 4. Build financial capacity and human capital for farmers
- 5. Integration of local knowledge in adaptation plans at local and national levels
- 6. Undertaking a country-specific, sector-based research
- 7. Enhancing information dissemination and extension support to farmers in regard to climate change preparedness and responses.







H. Forestry and Land Use Change

Adaptation Options :

- 1) Mainstreaming climate change to Forestry sector development plans and programs
- 2) Seeking and developing plant species resilient to the increasing pest and climate change impacts;
- 3) Strengthening information gathering, modeling of climate change-forest dynamics, and vulnerability assessment.
- 4) Improving forest management system to support rural economies;
- 5) Providing options and opportunities for villagers to adapt to climate change;
- 6) Enhancing biodiversity conservation and management to ensure sustainability by adapting to climate change;







III. Water Resources

Adaptation Options (N/A for Mit.):

- 1) Assess the industry's vulnerability to climate change effects;
- 2) Develop climate change scenarios for the river basins
- Develop reliable early warning systems to reduce disaster impacts
- Downscaling climate and hydrological models to a watershed level:
- 5) Integrating climate change measures into current risk management strategies and planning processes
- 6) Planning and design criteria for



IV. Energy and Transport

Adaptation Options (3):

- Incorporating a range of possible climate change effects into the transportation investment decisions and management strategies;
- Developing long-range transportation plans and investment strategies that are sufficiently robust to accommodate unanticipated future events;
- Identification of the at-risk critical infrastructure, monitoring of conditions.





IV. Energy and Transport

Mitigation Options (7):

1) <u>Electrification</u>: reaching the target of 70% by 2010 and 90% by 2020, as set in the National Growth and Poverty Reduction Strategy (NGPES);

2) <u>Renewable energy:</u> accelerating the development of solar and wind as well as hydropower including mini-hydro

3) <u>Cleaner energy:</u> by making use of the coal-bed methane and coalmine methane, and seeking cleaner technologies for the development of the country's abundant lignite resources;



IV. Energy and Transpor

Mitigation Options:

4) <u>Energy efficiency and savings</u>: by introducing energy-efficient lighting and appliances, and energyefficient buildings;

5) <u>Low-carbon transport:</u> by promoting the use of alternate energy operated motor vehicles, pursuing environmental sustainable transport strategy;

6) Generating public awareness on energy saving by implementing initiatives such as car free day, marking Earth Day and World Environment Day;

7) Seeking the opportunities under CDM or other flexible, pragmatic financing mechanisms to undertake the development of climate-friendly renewable resources,





V. Industry

Adaptation Options:

 Access to clean energy technology and clean production technology with emphasis on SME.

Mitigation Options:

- 1) Improve energy efficiency during the production process;
- Reduce wood waste through improvement of furniture manufacturing techniques and methods
- Promoting the use of waste biomass or agricultural residues to produce renewable energy or thermal energy for drying and heating products through combustion, gasification;

















