Updates on the GHG Inventory of National Communications & BUR



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Presentation Outline

2

UNFCCC & its Reporting Obligations

National Greenhouse Gases Inventory Sectors

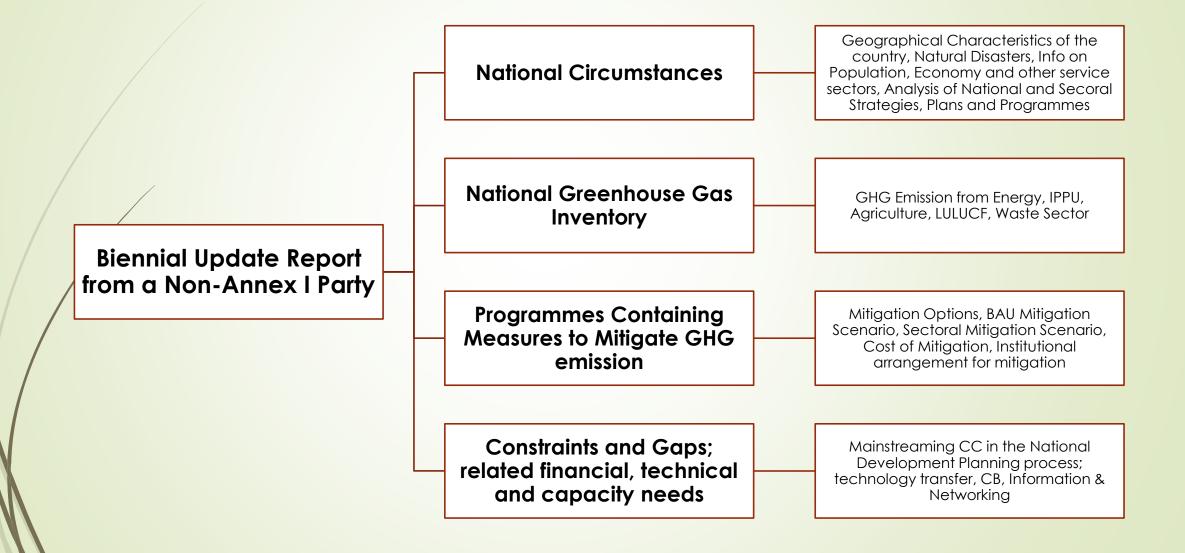
National Reporting: National Communications & NDCs

Mitigation Actions in Bangladesh

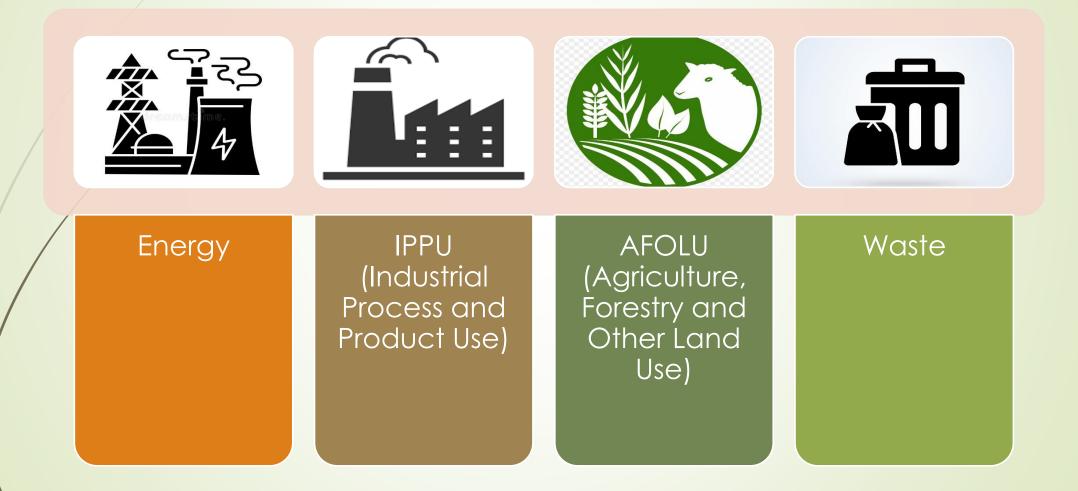
National Communication: Non-Annex I Party

| National Communication from a non-Annex 1 Party | National Circumstances | Geographical Characteristics, Natural Disasters, Info on Population, Economy & other service sectors, Analysis of National and Sectoral Strategies/Plan/Programs | |
|---|--|---|--|
| | National Greenhouse Gas Inventory | GHG Emission from Energy, IPPU, AFOLU, Waste Sector | |
| | Measures to Mitigate GHG emission | Mitigation Options, BAU Mitigation Scenario, Sectoral Mitigation Scenario, Cost of Mitigation, Institutional arrangement for mitigation | |
| | Measures to facilitate adaptation to climate change | Climate Trend Analysis, CC and Challenges of Development, DRR-CCA Linkages, Loss and Damage, adaptation cost of key economic sectors | |
| | Constraints and Gaps; related financial, technical and capacity needs | Mainstreaming CC in the National Development Planning process; technology transfer, CB, Information & Networking | |

Biennial Update Report: Non-Annex I Party



5 National GHG Inventory Sectors



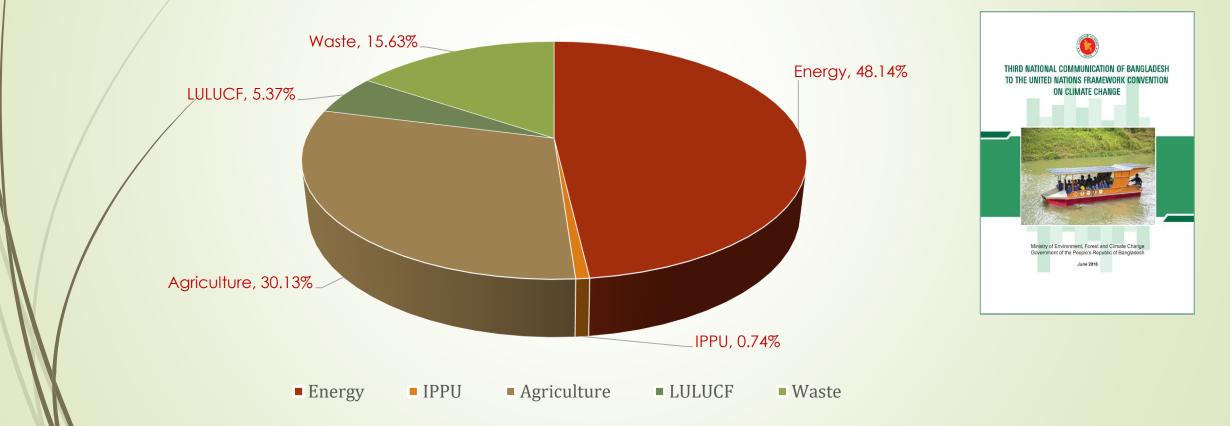
⁶ National Communications

Bangladesh has submitted 3 (three) National Communications to the UNFCCC



Sector-wise GHG Emission in 2012 (As per TNC)

Sector Wise GHG Emission in Bangladesh (% in Total Emission)



Biennial Update Report & Transparency Report

•2024

•2023

8

•Bangladesh is in the progress of formulating its first Biennial Update Report to the UNFCCC.

•BTR will be initiated in 2023 with technical support from UNEP





GHG Inventory in TNC and BUR1

| Sectors | TNC | BUR1 | Increase |
|---|----------|----------|----------|
| | 2012 | 2019 | (%) |
| | (MtCO2e) | (MtCO2e) | |
| Energy | 73.296 | 115.27 | 57 |
| IPPU | 1.121 | 4.26 | 283 |
| AFOLU | 54.054 | 73.43 | 34 |
| Waste | 23.799 | 21.04 | -12 |
| Total CO ₂ eq Emissions | 152.27 | 214 | 40 |
| Per capita GHG emission of Bangladesh (ton CO _{2 eq}) | 0.98 | | |

GHG Inventory 2013-2019 (million-ton CO₂-eqv)



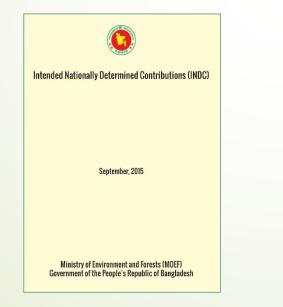


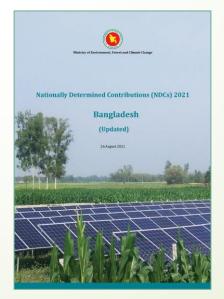
11

Mitigation Actions in Bangladesh

Nationally Determined Contribution (NDCs)

- Bangladesh submitted Intended Nationally Determined Contribution (I-NDC) to the UNFCCC in 2015
- Updated NDC has submitted in August 2021





Nationally Determined Contributions (NDCs)

- Bangladesh submitted an initial Nationally Determined Contribution (I-NDC) to the UNFCCC in 2015.
- Committed an unconditional contribution to reduce GHG emissions by 5% and a conditional 10% additional reduction in GHG emissions from BAU levels by 2030 in the power, transport, and industry sectors.

Ministry of Environment and Forests (MOEF) Government of the People's Republic of Bangladesh

Sentember 2015

ntended Nationally Determined Contributions (IN



- Bangladesh submitted an updated NDC to the UNFCCC on 26 August 2021.
- An unconditional contribution to reducing GHG emissions by 6.73% (26.3 Mt CO2e) from BAU levels and 15.12% (61.9 Mt CO2e) additional by 2030 in the Energy, IPPU, AFOLU, and Waste sectors.

Climate Change Mitigation in Bangladesh

- Bangladesh is involved in the Clean Development Mechanism (CDM) of the Kyoto Protocol under the UNFCCC. So far, Bangladesh has registered 21 CDM projects from CDM Executive Board.
- Bangladesh is involved in the Climate Technology Centre & Network (CTCN) under the UNFCCC Technology Mechanism. So far, 03 projects are completed, and 06 more projects have been submitted this year for technology transfer.
- Bangladesh has a bilateral mechanism called Joint Crediting Mechanism (JCM) with Japan for transferring energy-efficient technology, which provides up to 50% grants. So far, Bangladesh has implemented 4 JCM projects and another project is being implemented.

15 Climate Change Mitigation.....Contd.

- More than 6.0 million Solar Home Systems (SHS) in off-grid areas for ensuring electricity access for 12% of its total population in remote areas (acclaimed as the largest off-grid renewable energy program in the world).
- Installed 9 solar parks, 28 solar mini-grids, 14 solar charging stations, and 2732 solar irrigation pumps. Other renewable sources like windmills, biomass, and biogas are also being utilized and upscaled.
- Adopted Net Metering Guideline in 2018 and already installed 1749 rooftop Net Metering System.
- Distributed more than 4.5 million Improved Cook Stoves (ICS) in rural areas, and the program is ongoing under the National Action Plan for Clean Cooking.
- A major transformation is underway in the transport sector shifting towards -Mass Rapid Transit (MRT), Bus Rapid Transit (BRT), and Express Way.
- Promoting green technology and achieving energy efficiency in industrial sectors are given special focus under the Energy Efficiency and Conservation Master Plan.



THANK YOU FOR YOUR KIND PATIENCE