



# “Achieving NDCs: Champions from a Sectoral View – Practical Examples & an Outlook”



**Side Event at COP22, Marrakesh  
Blue Zone: Room Mediterranean**

**11 Nov 2016 || 15:00-16:30h**

**Lead organisers: GIZ and Bangladesh**



# Bangladesh NDC Implementation

**Ministry of Environment and  
Forests**

Government of the People's  
Republic of Bangladesh

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**Intended Nationally Determined Contributions (INDC)**

**September, 2015**

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



# Bangladesh's INDC – A summary

- Bangladesh submitted its INDC in September 2015
- Bangladesh is a highly climate vulnerable country with less than 0.35% of global GHG emissions;
- The main focus of Bangladesh's activities is on adaptation – increasing resilience to the impacts of climate change;
- Proposed an unconditional and conditional target to reduce GHG emissions in 3 major sectors;
- Described Bangladesh's support needs, with indicative costs of taking action on mitigation and adaptation.

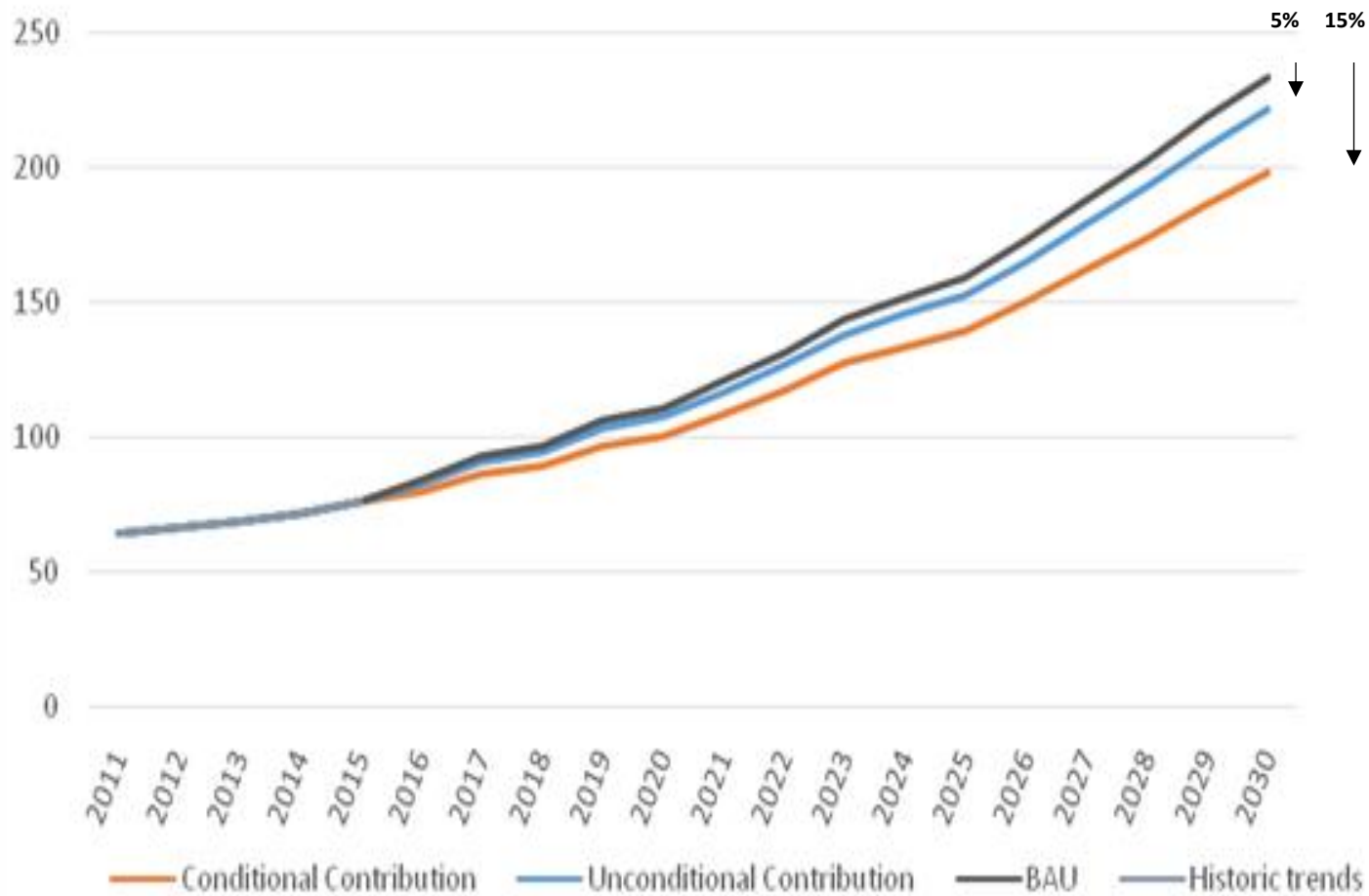


# Projected Emission Reduction in three sectors

Sector	Base year (2011) (MtCO <sub>2</sub> e)	BAU scenario (2030) (MtCO <sub>2</sub> e)	BAU change from 2011 to 2030	Unconditional contribution scenario (2030) (MtCO <sub>2</sub> e)	Change Vs BAU (reduction)	Conditional contribution scenario (2030) (MtCO <sub>2</sub> e)	Change Vs BAU (reduction)
Power	21	91	336%	86	5%	75	18%
Transport	17	37	118%	33	9%	28	24%
Industry (energy)	26	106	300%	102	4%	95	10%
<b>TOTAL</b>	<b>64</b>	<b>234</b>	<b>264%</b>	<b>222</b> (12 M.ton CO <sub>2</sub> e)	<b>5%</b>	<b>198</b> (36 M.ton CO <sub>2</sub> e)	<b>15%</b>

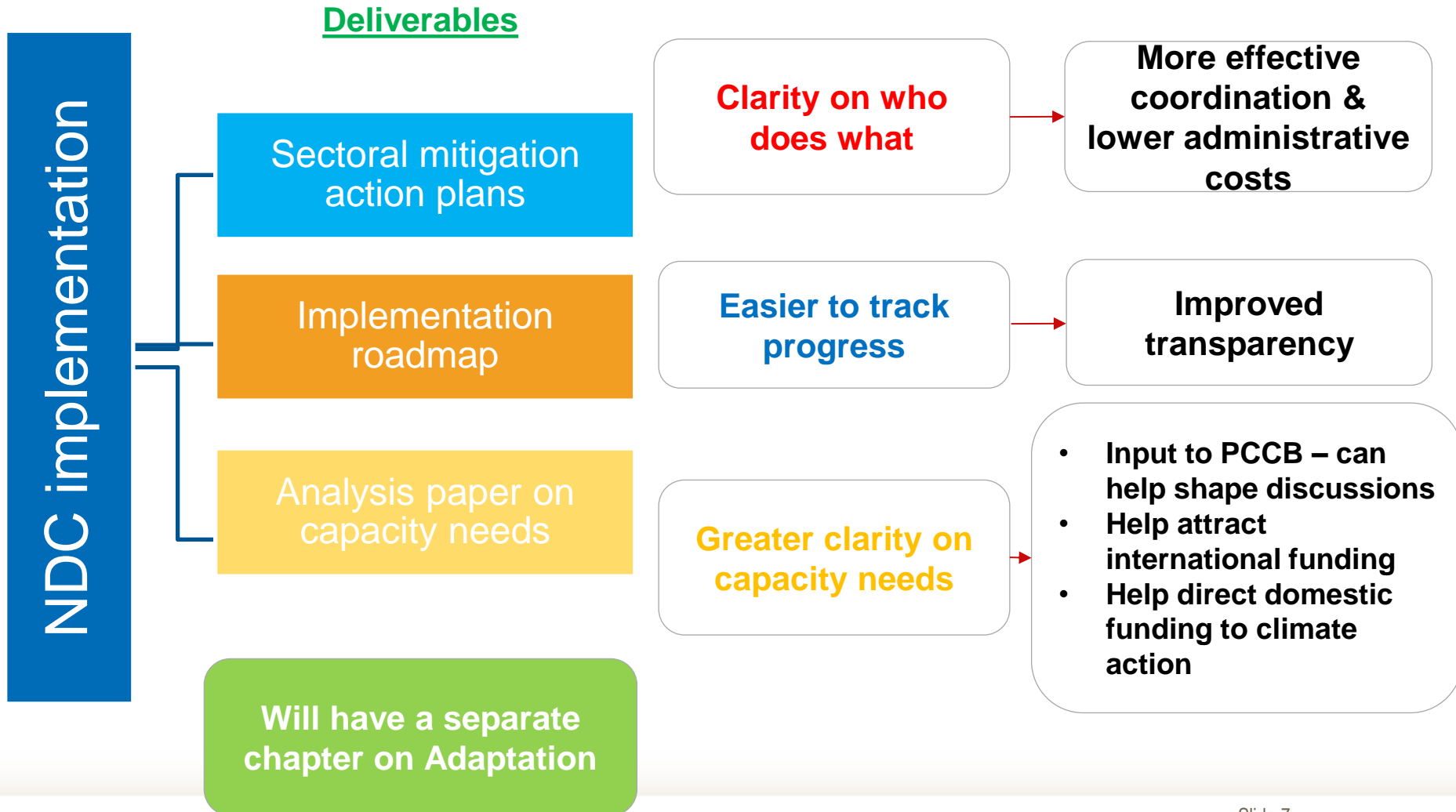


## GHG emissions (MtCO<sub>2</sub>e) for Power, Transport and Energy demand in Industry to 2030





## Prepare and plan for Implementation of Bangladesh's INDC



# Progress so far

- **Inception workshop organized**
  - Cross sectoral stakeholders involved (Academia, professionals, public enterprises, business associations etc.)
- **First draft of sectoral action plans for power, transport and industry**
  - **Sent to stakeholders & being revised based on feedback**
- **Early draft outline of NDC implementation roadmap prepared**
- **Review carried out of capacity, technological and finance landscape on climate change in Bangladesh**







## Sectoral action plans – proposed structure

Section	Content
Introduction	<ul style="list-style-type: none"><li>• Overall background, why the action plan is needed</li><li>• A brief summary of what the Government is already doing in this area.</li><li>• Description of unconditional and conditional activities in Bangladesh NDC</li><li>• Set out the unconditional activities already underway.</li></ul>
Vision and scope	<ul style="list-style-type: none"><li>• The 'vision' for the sector, key strategic priorities and any existing targets.</li><li>• It should also describe the sector; e.g. scope of what is &amp; what is not included in the action plan</li></ul>
Delivering the plan	<ul style="list-style-type: none"><li>• Describe the mitigation measures already in place and those that will be introduced to deliver the unconditional and conditional targets.</li><li>• It should also cover what actions will be needed in other sectors, as well as typical barriers, challenges and solutions.</li></ul>
Resourcing the plan	<ul style="list-style-type: none"><li>• Describe the support needs (finance, capacity building, and technology) and including probable sources.</li></ul>
MRV	<ul style="list-style-type: none"><li>• Describe what indicators will be used to track the progress in the implementation and impacts of the mitigation measures</li></ul>
Governance and coordination	<ul style="list-style-type: none"><li>• Describe arrangements for governance and coordination – which team/ministry is responsible for delivering the plan,</li><li>• how will key stakeholders &amp; data providers be involved, how will links be made to other</li></ul>



## Sectoral action plans – proposed structure

### Power

- Expanding utility scale solar and offshore wind
- Solar irrigation
- 100% Super Critical Coal

### Industry

- Energy management programme
- Waste Heat Recovery
- More efficient brick kilns

### Transport

- Modal shift from road to rail and shipping
- Reduction in congestion leading to more efficient running of vehicles

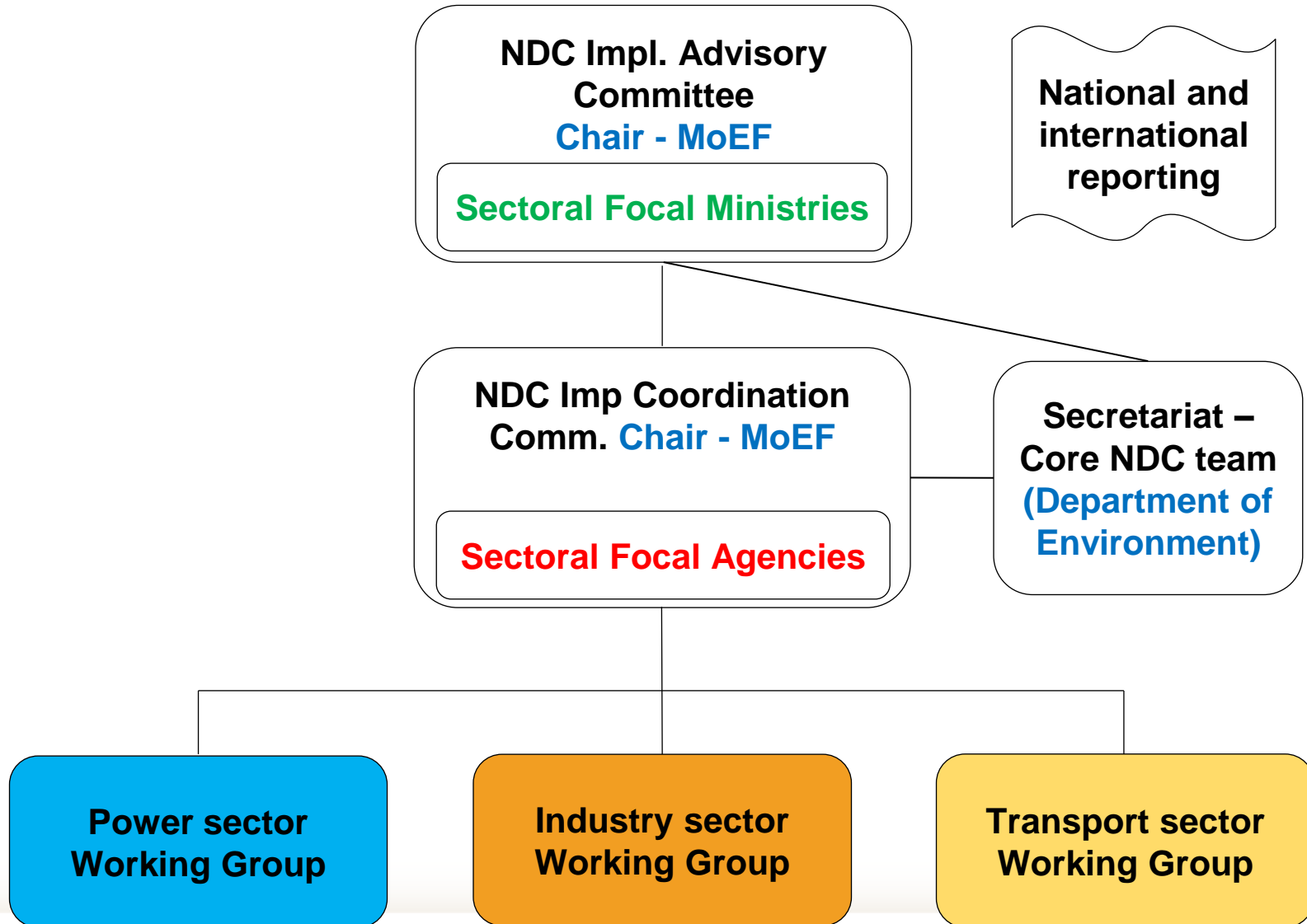


# NDC implementation Roadmap

- **Will set NDC implementation in context:**
  - Explain how the NDC, and the NDC implementation process, links to other key strategies, processes and documents in Bangladesh, for example:
    - **Bangladesh Climate Change Strategy and Action Plan (BCCSAP)**
    - **The Seventh Five Year Plan (and future plans)**
    - **Energy Efficiency and Conservation Master Plan**
    - **Sectoral Master Plans**
- **Will cover cross-cutting issues**, for example:
  - **MRV:** how overall progress towards the NDC goals will be tracked, what common data and indicators will be needed across all sectors to allow MRV and any other generic MRV issues.
  - **Climate Finance:** summarise the support needs across the three sectors and set out plans to involve the private sector.
- **Will explain overall governance arrangements for NDC implementation**



## Proposed Governance Structure



# Sector-level Working Groups

**Role:** (1) Coordinating the policy response for that sector;  
(2) Tracking progress at the sector level; reporting to the NDC Impl. Tech. com.



## **Chair – Power Division (Ministry of Power, Energy and Mineral Resources)**

- SREDA
- Mineral Resources Division
- Bangladesh Power Development Board
- Bangladesh Rural Electrification Board
- Infrastructure Development Company



## **Chair – Ministry of Industry**

- SREDA
- Industry trade associations
- Bangladesh Chemical Industries Corp.
- Ministry of Commerce
- Ministry of Jute
- Bangladesh Steel & Engr. Corp.



## **Chair – Road Transport and Highways Division (Ministry of Road Transport)**

- Ministry of Shipping
- Ministry of Civil Aviation Authority
- Bangladesh Road Transport Authority
- Ministry of Railways
- Dhaka Transport Coordination Autho.
- Bangladesh Road Transport Corpo