



How JCM Could Address the Achievement of Bangladesh NDC & SDGs Target

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Progress of JCM Activities in Bangladesh

- Ministry of Environment and Forests, Bangladesh and Ministry of the Environment, Japan signed the MoU to promote Joint Crediting Mechanism (JCM) on March 19, 2013.

Joint Committee (JC) Meeting :

- ➡ Bangladesh and Japanese side formed Joint Committee
- ➡ 4th Joint Committee meetings held so far

Department of Environment acts as the Secretariat of JCM in Bangladesh

JCM Model Projects in Bangladesh

Project name	Fiscal Year	Project Participants	
		Japanese side	Bangladesh side
Energy Saving for Air Conditioning & Facility Cooling by High Efficiency Centrifugal Chiller in Sugar Mill (estimated GHG emission reductions is 255 t CO2/year)	2014	Ebara Refrigeration Equipment & Systems	City Sugar Industries Ltd Rupganj, N.ganj
Installation of High Efficiency Loom at Weaving Factory (estimated GHG emission reductions is 1740 t CO2/year)	2015	Toyota Tsusho Corporation	Hamid Fabrics Limited. Narshindi
Introduction of PV-diesel Hybrid System at Fastening Manufacturing Plant (estimated GHG emission reductions is 265 t CO2/year)	2015	YKK Corporation	YKK Bangladesh Pte Ltd. Dhaka EPZ.

JCM Model Projects in Bangladesh

Project Names	Fiscal Year	Project Participants	
		Japanese side	Bangladesh side
50MW Solar PV Power Plant Project (estimated GHG emission reductions is 40527 t CO2/year)	2015	Pacific Consultants	HDFC SinPower Ltd. & IFDC Solar Power (BD) Ltd. Sutiakhali, Mymensingh
Energy Saving of A/Condit System by Recovering Waste Heat from Engine in Textile Factory (estimated GHG emission reductions is ----- t CO2/year)	2016	Ebara Refrigeration Equipment & System	Unitex Composite Ltd., Sitakunda, Chittagong

First JCM Model Project: Energy Saving for Air Conditioning and Facility Cooling by High Efficiency Centrifugal Chiller – City Sugar Industries



Control Room



Installed Centrifugal Chiller



Cooling Tower

On-going major JCM Project

1. Building of 50 MW Solar PV Power Plant

- ▶ Pacific Consultant Co. Ltd., Japan and IFDC Solar Power Bangladesh Ltd .
- ▶ A grid-connected solar PV modules to be constructed at Sutiakhali, Mymensingh.
- ▶ The consortium will sell all power generated to the grid under a signed power purchasing agreement (PPA) with the BPDB.

2. High Efficiency Transmission Line Project

- ▶ Introduction of High Efficiency Transmission Line in South-West area (between Barisal and Gopalganj) of Bangladesh funded by ADB.

Linkage among JCM, NDCs and SDGs

- SDG 13 (Climate Actions) is directly linked to Paris Agreement (PA).
- Other SDGs can also be linked to climate change mitigation and adaptation actions.
- Climate actions (SDG 13) described in countries NDCs are aligned directly & indirectly with various SDGs target and these linkages have the potential to generate one way or mutual implementation benefit.

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- And Issued JCM Credits will be allocated to Japan and Participated countries to contribute to the emission reduction targets in their NDCs which can also contribute to the achievement of their SDGs target.

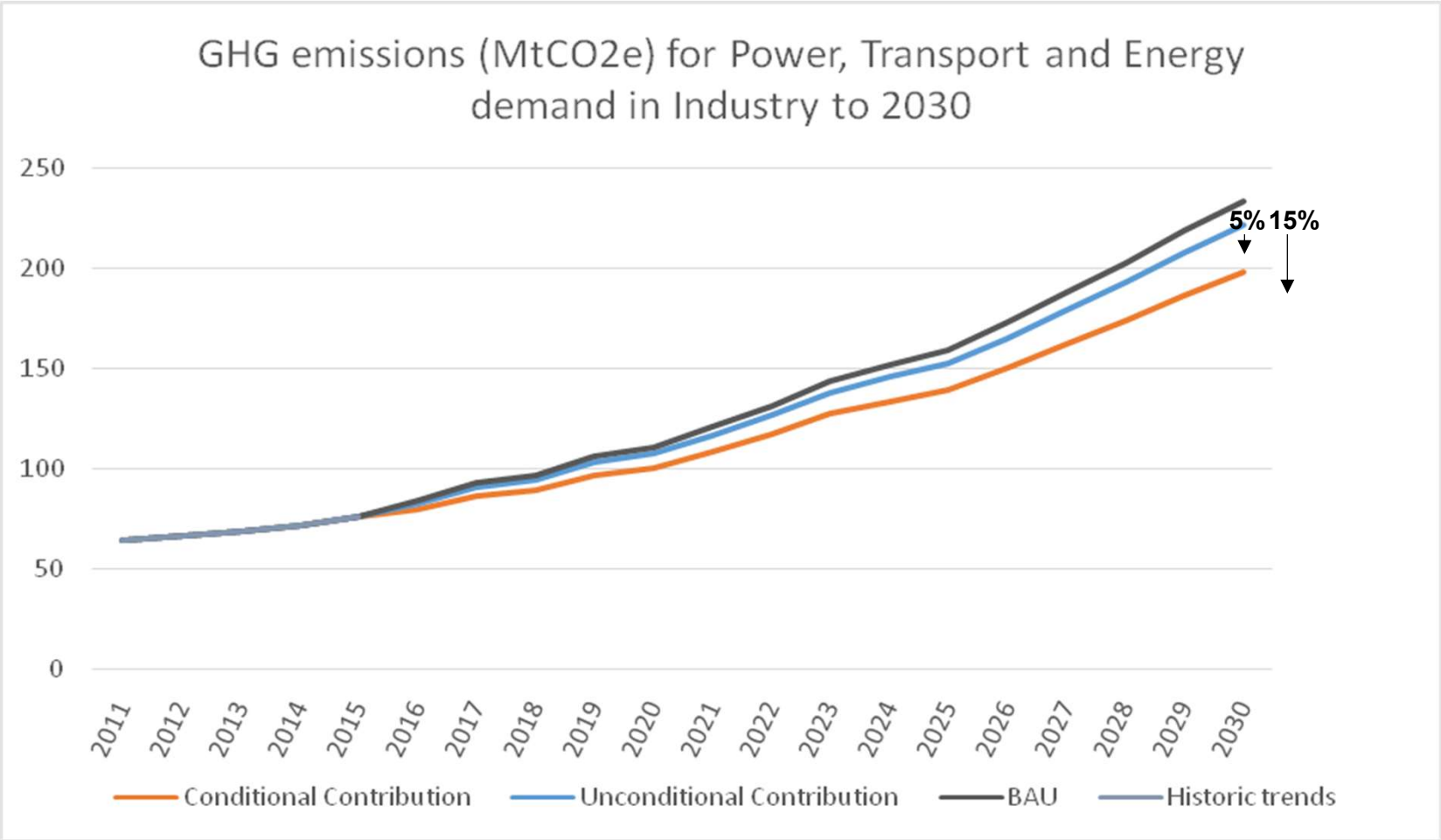
Nationally Determined Contributions (NDCs) of Bangladesh

- Bangladesh has submitted INDCs on 25 September 2015
- Bangladesh has proposed an unconditional contribution to reduce GHG emissions by 5% from Business as Usual (BAU) levels by 2030 in the power, transport and industry sectors, based on existing resources;

Nationally Determined Contributions (NDCs)

- ▶ Bangladesh has proposed for a conditional (5+10)15% reduction in GHG emissions from BAU levels by 2030 in the power, transport, and industry sectors, subject to appropriate international support in the form of finance, investment, technology development and transfer, and capacity building.
- ▶ Bangladesh considered 2012 as the Base Year.
- ▶ The 3 sectors covers almost 70% of the total emission of BD.

Baseline scenario and unconditional & conditional contributions (only power, transport & industry sectors' emissions)



NDC Implementation Roadmap

- Bangladesh prepared NDC implementation roadmap (being printed)
- The Roadmap also includes sectoral action plans for;
 - Power;
 - Industry and
 - Transport

How can JCM address BD NDC

- So far 4 projects under JCM have been implemented and 02 Projects implementation activity are on going in Bangladesh.
- Estimated amount of CER issued under JCM can contribute our NDC target as well as achievement of SDGs target.

THANKS