

ASIA CLEAN ENERGY FORUM 2022

Innovative and Integrated Solutions for a Low-Carbon and Resilient Future

14–17 June



Track 2: Innovative Low-Carbon Technologies

Session 2.1

Integrating Low-Carbon Technologies to Accelerate the Energy Transition

Energy Efficiency & Conservation Through Low-Cost Financing in Bangladesh

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Energy Efficiency & Conservation (EE&C) initiatives - Masterplan

FY2029/30: 20% Improvement of Primary Energy Consumption per GDP FY2020/21: 15% of the same above (Baseline as of FY2013/14)

Target



Prepared with JICA assistance

Energy Efficiency & Conservation Target in Bangladesh



- 15% reduction* in Primary Energy Consumption per GDP by 2020-21
- 20% reduction* in Primary Energy Consumption per GDP by 2029-30
- Electricity demand save: 7400 MW by 29-30
- Emission reduction : 246.5 million ton in Project period
- * Baseline as of FY 2013/14



Final Energy Consumption by sector (Excluding Biomass)



Industry Transport Residential Comercial Agriculture

EE&C potential in Industrial Sector



EE&C potential in Residential Sector



EE&C Potential in Commercial Sector (Buildings)

- Replacement of ACs with Energy Efficient ACs
- Lighting systems with high energy efficiency
- > Saving : 50% of total in the building sector





Source: EE&CMP up to 2030

Why Energy Efficiency?

- Energy is too cheap to be made efficient
- Funding?
- High lending rates
- Lack of awareness about Lifecycle cost

Energy Efficiency Financing Program

- Low interest loans under Energy Efficiency and Conservation Promotion Financing Project (EECPFP) by Japan (JICA)
- Extended to industries to remove cost barriers in buying energy efficient equipment
- Total Loan amount (Phase 1& 2) : 240 Million USD
- A data analysis and statistics handling system has been developed to monitor the progress of such activities

Energy Efficiency & Conservation Promoting Financing Project



EE&C Awareness Raising Program

- Massive awareness
- Government Officials/
 Business men/Politicians
- Schooling Program
- Education to elderly
- Poster Design Competition
- Energy & Power Week
- Broadcasting audio-visual through TVC, RDC & Social Media (LinkedIn, Facebook)
- Webinars/Training/ Workshops on EE&C topics



EE&C Awareness Through LinkedIn & Facebook

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Achievements so Far



Impact of the Project

- Industries cost of production decreased
- More competitive
- Other Industries also acquiring Energy Efficiency through own fund
- Export Price more competitive Economic boom
- Overall electricity demand decreased
- Emission reduction
- New employment avenues



" ... and there is no shame in turning off the switch while leaving the room. This is something I do myself too, though I am a Prime Minister. Therefore, I encourage everyone to use electricity as if it is your own and bring out an embedding conviction to save or conserve it."

- Sheikh Hasina, Hon'ble Prime Minister, Government of the People's Republic of Bangladesh

(Collected from the speech of the Hon'ble Prime Minister at the inaugural ceremony of the Power and Energy Week 2018)



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Thank You

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