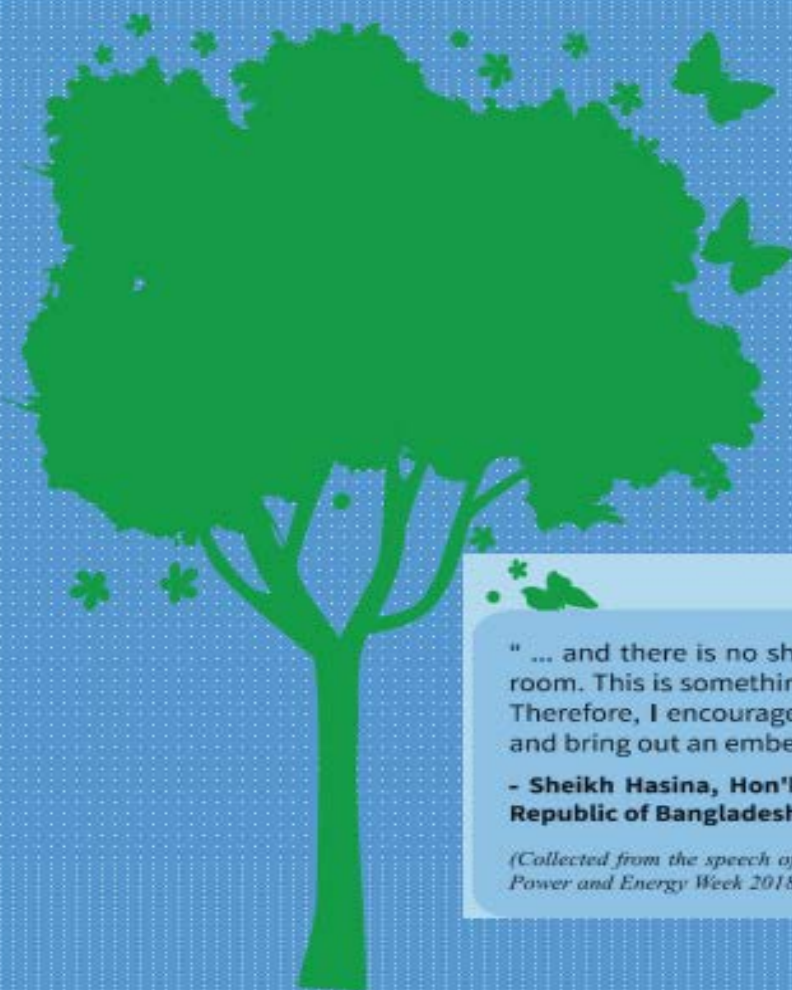


## *Conserving energy hails prosperity*

Ensuring responsible use of energy through energy efficiency, conservation and behavioural changes



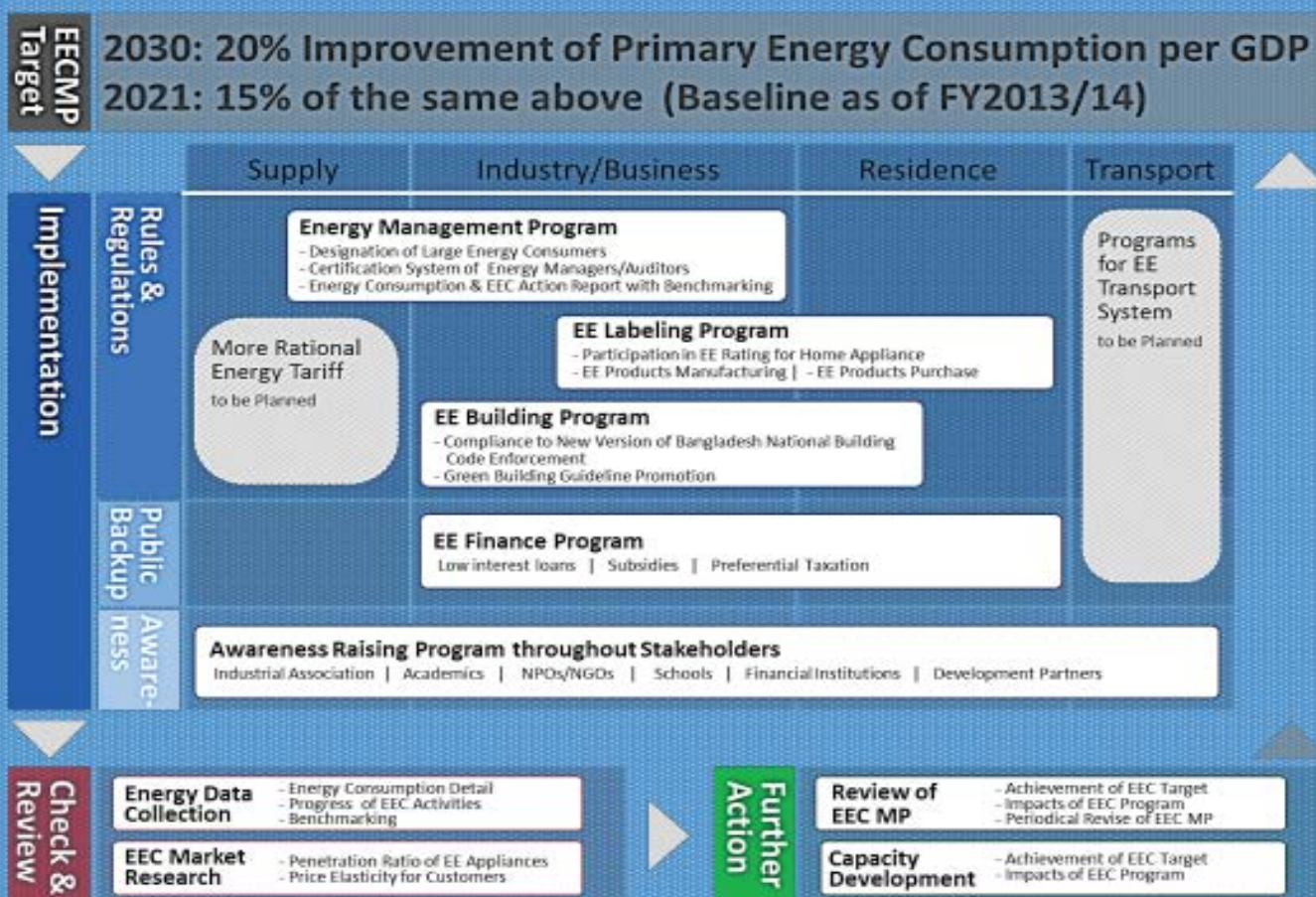
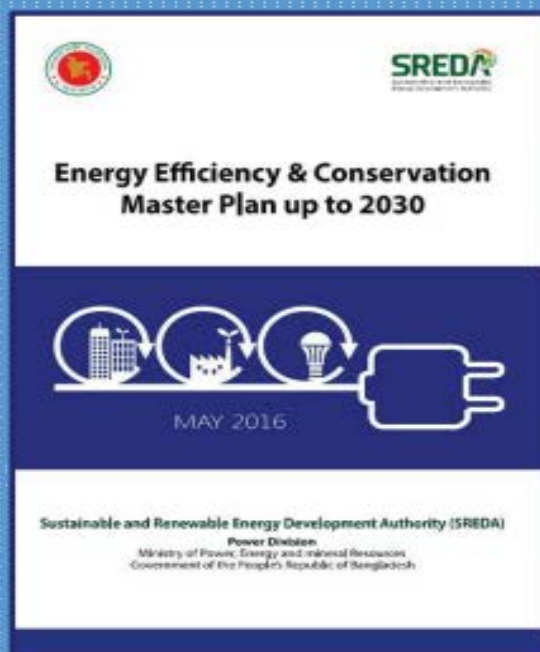
" ... and there is no shame in turning off the switch while leaving the room. This is something I do myself too, though I am a Prime Minister. Therefore, I encourage everyone to use electricity as if it is your own and bring out an embedding conviction to save or conserve it."

**- 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)*



1. Energy Efficiency and Conservation (EE&C) Master Plan up to 2030
2. Energy Efficiency and Conservation Rules, 2016
3. Energy Audit Regulation, 2018
4. Energy Management Guidelines for AC and Fire Tube Boiler
5. Draft Building Energy Efficiency and Environmental Rating (BEEER)
6. Draft Labeling Regulation for Electrical Appliances
7. Draft Electric Vehicle Charging Guideline





SREDA conducts Energy Auditor Certification Examination to certify Energy Auditors.

SREDA is also introducing Energy Manager Scheme to certify Energy Managers to be employed within the premises of Designated Consumers (high consuming industries).

Under various programs, SREDA has already conducted energy audit in industries, commercial and residential buildings.



Figure: Energy Audit in Industries



Figure: Preparatory Training on Energy Auditor Certification Examination

SREDA has recently conducted a pilot program on Energy Efficiency in Public Buildings (EEPB) to determine the potential for improving energy efficiency in 12 public office buildings.

One of the objectives of this program was to reduce the knowledge gap and discuss funding opportunities for public and private buildings energy efficiency program.



Figure: Energy Audit in public office building



Figure: Virtual dissemination workshop on EEPB



SREDA took initiative to make energy management guidelines for different appliances to promote energy efficient uses of individual appliances & equipment.

Till date, Energy Management Guidelines for Air Conditioner and Fire tube boiler have been formulated and shared to stakeholders.



As a part of Energy Management Program, SREDA **On a Regular basis** visits State owned Enterprises for exploring potential improvement of energy saving in those factories.



Figure: Walk through Energy Audit conducted in DAP Fertilizer Company Limited



Figure: Walk through Energy Audit conducted in Eastern Tubes Limited



Considering the potential for energy and resource saving in buildings, SREDA has drafted a Building Energy Efficiency and Environment Rating (BEEER) system applicable to all types of public & private buildings.

It will establish environmental standards as well as promote development of sustainable buildings in Bangladesh.



5 Shapla 110 Points	
Building Energy & Environment Rating	
Name of the Building	SREDA Bhaban
Location	Agargaon, Dhaka
Category	Office
Type	Air-Conditioned
Built up area	42000 sq ft
Annual Energy Consumption	10 kwh/sq ft/year
Validity Period	December 2021

Figure: Draft BEEER outline (Tentative)

SREDA has started energy efficiency labeling program of electrical appliances in order to empower customers in making informed decision on purchasing an equipment.

A regulation on energy efficiency labeling program has also been drafted by SREDA.





## Electric Vehicle Charging Guideline

In keeping with global trend, Bangladesh is trying to lessen its dependency on fossil fuel by introducing Electric Vehicles. The objective of this initiative is to enable faster adoption of electric vehicles in Bangladesh by ensuring safe, reliable, accessible and affordable charging infrastructure and eco-system.

SREDA has already drafted Electric Vehicle Charging Guideline for rolling out electric vehicles in Bangladesh.



Figure: Electric Vehicle Charging Station at Rajshahi



Figure: Stakeholder meeting on Electric Vehicle Charging Guideline at Power Division (12 September 2021)

## Energy Efficiency Finance Program

For promoting EE&C activities in industries, SREDA took initiative to extend low interest loans to industries to remove cost barriers in buying energy efficient equipment.

For this, SREDA is implementing an Energy Efficiency and Conservation Promotion Financing Project (EECPFP) with assistance from JICA. A data analysis and statistics handling system has been developed to monitor the progress of such activities.

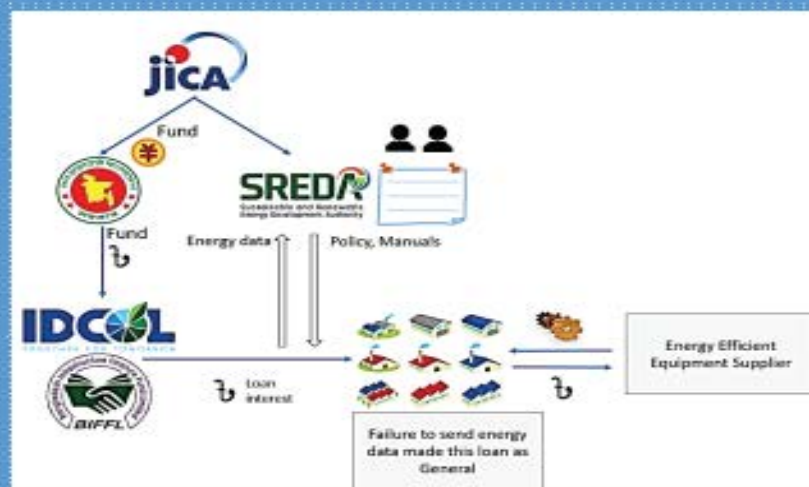


Figure: Outline of Energy Efficiency and Conservation Promotion Financing Project (EECPFP)



To celebrate the International Women's Day, SREDA organized a Poster Design Competition on clean cooking solution.

For the university students, SREDA organized the Sustainable Innovation Challenge - Bikiron.



Figure: Poster Design Competition



Figure: Inauguration of Sustainable Innovation Challenge - Bikiron

To aware new generation about Energy Efficiency & Conservation, SREDA organizes "Schooling Program" at various schools.

To create awareness among the general people regarding EE&C, SREDA set up billboards at major cities in Bangladesh.



Figure: Schooling Program Rally



SREDA regularly conducts various trainings, seminars and workshops for different sectors including industrial, commercial and residential, educational institutes, other public and private authorities.



Figure: Training on Awareness Program on EE&C



Figure: Workshop on Prospect and Challenges of Hydrogen Fuel in Bangladesh (22 February 2021)



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