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DEUTSCHE ZUSAMMENARBEIT

Implemented by:
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

In cooperation with:

Skills Development for Sustainable Energy Solutions (Skills4SE)

Background

The rapid population and economic growth in Bangladesh is leading to a steadily increasing demand for energy. At the same time, the Government of Bangladesh is striving to transform the energy industry and expand climate-friendly sustainable energy solutions. These ambitions are also reflected within the Nationally Determined Contribution (NDCs) of the 2030 Agenda and considerable efforts in recent years in terms of promoting sustainable energy development in the country.

However, the supply of skilled workers, as well as the current training on offer is insufficient and a major barrier to the national energy transition. The existing shortage of skilled workers is likely to significantly hamper the country's ambitions to expand renewable energy and increase energy efficiency across sectors. Bangladesh must therefore improve the conditions for improved technical and vocational education and training (TVET) in the energy sector and align it more closely with the needs of the labour market.

A well-trained and skilled workforce can improve the investment climate and the competitiveness of companies working on climate-friendly energy solutions in the medium to long term. In this way, the improved availability of qualified skilled workers contributes to the successful energy transition in Bangladesh and offers new employment and income opportunities in the labour market.

Germany and Bangladesh have collaborated in the priority area of renewable energy and energy efficiency since 2004. On behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is currently implementing the project “Skills Development for Sustainable Energy Solutions” (Skills4SE) to improve the training offer in the field of RE/EE in order to effectively address the shortage of skilled workers and promote the energy transition in Bangladesh.

Project name	Skills Development for Sustainable Energy Solutions (Skills4SE)
Commissioned by	German Federal Ministry for Economic Cooperation and Development (BMZ)
Commission value	EUR 5,000,000
Project region	Bangladesh
Partner ministry	Ministry of Power, Energy, and Mineral Resources (MPEMR)
Executing agency	Power Division, Bangladesh Power Management Institute (BPMI), Sustainable and Renewable Energy Development Authority (SREDA), National Skills Development Authority (NSDA), Bangladesh Technical Education Board (BTEB)
SDG contribution	SDG 4 (Quality Education), SDG 5 (Gender Equality), SDG 7 (Affordable and Clean Energy), SDG 8 (Decent Work and Economic Growth), SDG 13 (Climate Action)
Duration	2023-2026

Objectives

Objective of this technical cooperation project is to “improve the quality of and demand for needs-based training programmes for energy efficiency (EE) and grid-connected renewable energy (RE)”. Key outputs to reach the objectives are:

- Developing a common understanding of RE/EE training needs among stakeholders
- Expanding provision of training with a practical focus in EE and grid-connected RE
- Creating the technical and infrastructural conditions for gender-sensitive and labour market-oriented training

Left: The project strives to increase the number of skilled workers in the sustainable energy sector

Right: Gender sensitive training opportunities will be enhanced through project interventions

Photo: © GIZ BD/Aneek Mustafa Anwar *(left)*, © GIZ BD/Md. Rizwanul Hasan *(Right)*

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Approach

The project promotes the dialogue and cooperation between relevant sectoral stakeholders. Skills4SE cooperates closely with the private sector in order to align the qualification offers with the needs of the labour market. The project advises MPEMR and vocational training institutions on developing and certifying curricula, training teachers and implementing the joint piloting of new training concepts with its partners. To ensure an ecologically and socially just structural change (Just Transition), the project focuses particularly on improving access for women to technical professions in the energy sector and on promoting digital formats within trainings wherever possible.

To achieve the objective with its implementing partners, led by the Power Division of Bangladesh's Ministry of Power, Energy and Mineral Resources (MPEMR), the project is pursuing a holistic approach in TVET, complementing activities of the other GIZ Energy Cluster projects, 'Energy Efficiency and Grid Integration of Renewable Energy' (EEGIRE II) and 'Policy Advisory for Promoting Energy Efficiency and Renewable Energy (PAP).

COMPONENT 1

Aims to create a common understanding among relevant stakeholders of RE/EE training needs. Based on a comprehensive skills gap analysis, a national long-term strategy for vocational education and training in EE/RE shall be developed and validated.

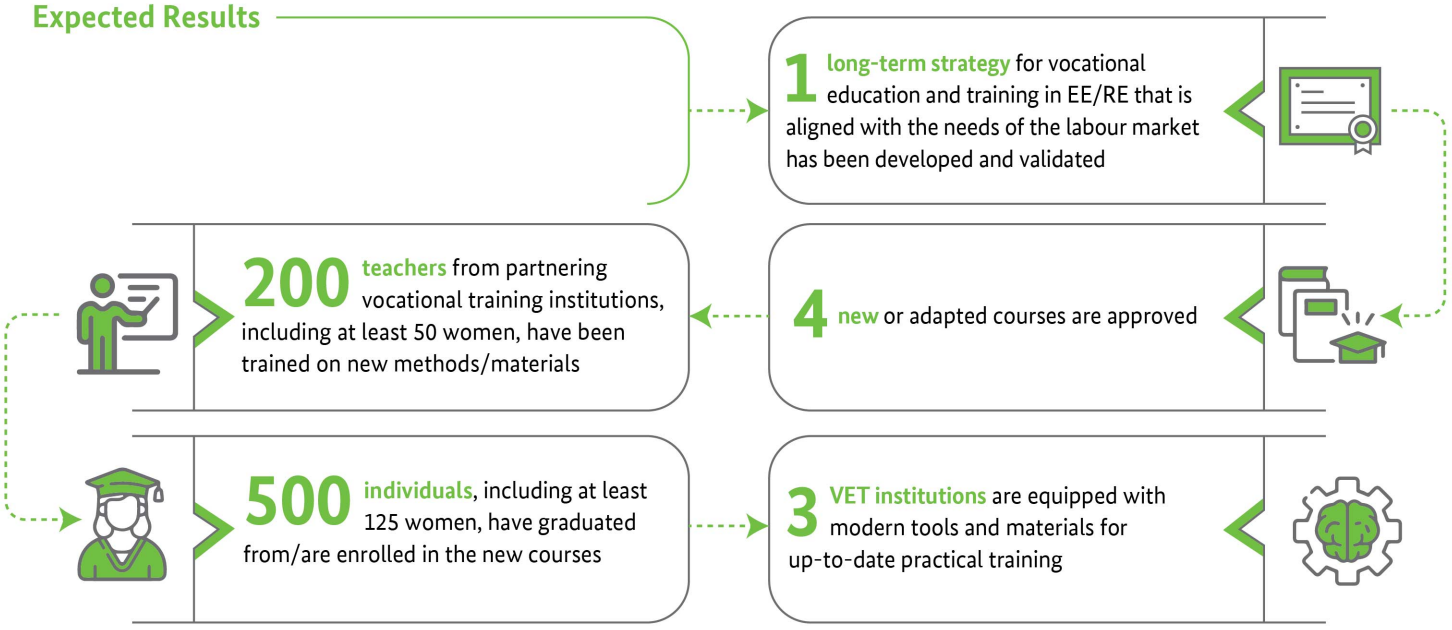
COMPONENT 2

Sets the conditions to expand the availability of continuing training programmes with a practical focus for selected trades in the areas of EE and grid-connected RE in close collaboration with the private sector.

COMPONENT 3

Enables vocational training institutions to meet the requirements necessary for implementing gender-sensitive RE/EE training programmes in line with needs of the labour market.

Expected Results



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