

CTCN Impact Description

**Technical Assistance for National Certification Scheme for Energy
Auditors/Managers in Pakistan**

Submitted to:

Climate Technology Centre and Network

United Nations Industrial Development Organization

Submitted by:

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Challenge:	Pakistan has a huge scope for energy efficiency and conservation. The results of multiple surveys, field studies and energy audits have shown 20-25% energy saving potential in industrial sector. As per the Pakistan National Energy Efficiency and Conservation (NEECA) act, the authorities have to establish a certification mechanism for energy auditors/managers in Pakistan. Moreover energy intensive industries will be notified as designated consumers and would require carrying-out regular mandatory energy audit.
CTCN Assistance:	<ul style="list-style-type: none"> • Notification of designated consumers • National Certification Scheme • Training of relevant professionals • Draft regulations to support implementation of roles as defined in National Certification Scheme
Anticipated impact:	<ul style="list-style-type: none"> • Development of National Certification Scheme will help Pakistan in implementation of EC Act. • The scheme along with guidebooks will promote job creation by generating pool of energy auditors/managers with the required skill set to carry out energy audits. • Implementation of Certification Scheme has the potential to reduce 42kTonnes of CO₂ emissions per annum • Energy savings achieved by implementation of the Certification Scheme will help Pakistan to defer the need to install additional electricity generation capacity
Linkages and contribution to NDCs	<p>The CTCN Technical Assistance supports Pakistan's NDC by:</p> <ul style="list-style-type: none"> • Creating a basis at the national level in carrying out audit and identifying energy saving potential, which if implemented will contribute in CO₂ emission reduction • Institutional strengthening and capacity enhancement at policy and operational level • Contributing to Pakistan's Vision 2025 document by promoting energy efficiency and use of energy efficient appliances
The Narrative Story	<p>The National Energy Efficiency and Conservation Act 2016, provides a legal basis to enforce necessary measures for efficient use and conservation of energy in all sections of the economy. JICA has been working with National Energy Conservation Centre (ENERCON) of Pakistan in the field of energy efficiency and carried out energy audits in SMEs. Moreover they have also conducted number of training programs in energy efficiency and energy auditing. Moreover ADB has launched the "Energy Efficiency Investment Program" to promote energy savings and investment in different sectors.</p> <p>The National Certification Scheme will provide the necessary guidelines and develop a pool of skilled energy auditor/managers for carrying out the mandatory energy audits as mentioned in the NEECA Act. It will also provide guideline for the designated consumers in carrying out audits and reducing their energy consumption.</p>
Contribution to SDGs	<ul style="list-style-type: none"> • SDG 3: The Technical Assistance will create employment opportunities for both genders as energy auditors/managers. • SDG 7.1: The Technical Assistance will lead to reduction in energy consumption in various sectors. The reduced energy can be used in providing energy to the un-served community and contribute in providing universal access to reliable, affordable and modern energy services. • SDG 7.3: The Technical Assistance will directly contribute to

	<p>improvement in energy efficiency and conservation sector in Pakistan</p> <ul style="list-style-type: none">• SDG 7.a: The saving potentials identified through introduction of newer more efficient technologies can enhance international co-operation and promote investment in energy efficiency• SDG 8: The Technical Assistance will create and expand productive employment. Moreover the existing potential for energy saving and mandate to follow certain regulations for the energy intensive industries will lead to sustainable economic growth for the country.• SDG 13.2: The Technical Assistance will support implementation of NEECA Act 2016 and will be integrated into the act.• SDG 13.3: The Technical Assistance will enhance national capacities to implement energy efficiency measures in designated sectors.
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