

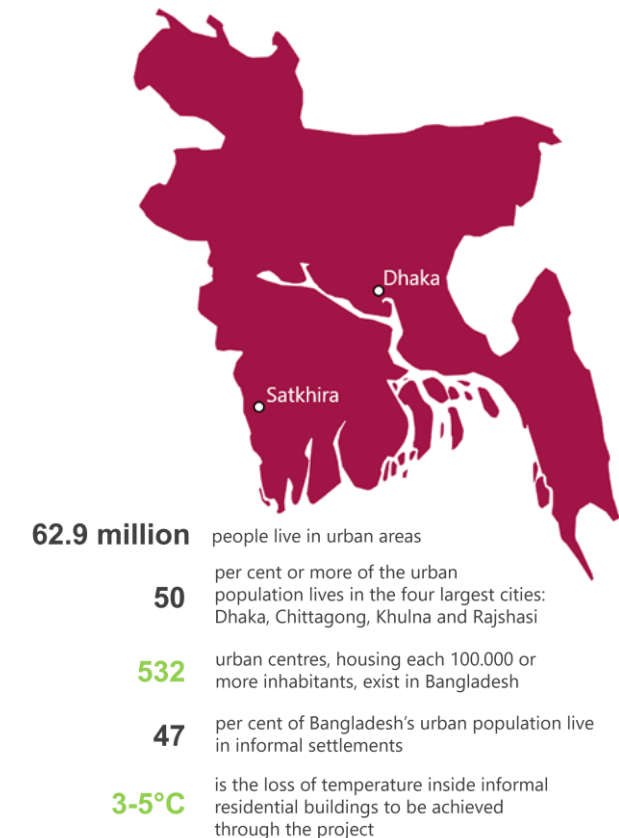
Bangladesh: Enhancing Resilience of Urban Poor

Background

Bangladesh, having one of the highest urbanisation rates of Asia and being at the same time at high risk against impacts of climate change, is a country with urgent need of intervention. Urban population is expected to double until 2050, with then 112 million people living in cities. Many of the new urban dwellers are expected to be living in the new, unplanned, and most likely informal neighbourhoods of the fast-growing cities. In these, overall problems are lacking access to basic infrastructure. Construction and management of buildings, roads, power and telecommunication transmission lines, drainage and sewerage and waste management are very difficult and vulnerable to climate change disasters. Besides that, conventional building design and methods, unplanned construction and destruction of green spaces foster the emergence of urban heat islands, further intensified due to climate change impacts.

Project Intervention

To protect inhabitants in urban areas against the effects of climate change, necessary steps against urban heat islands within a neighbourhood in Satkhira Pourashava will be taken by the project "Enhancing Resilience of Urban Poor". The project focuses on different aspects and features an integrated approach. The aim is to not only improve the quality of life of individual residents of the urban poor community, but also increase the quality of life for the entire community through interventions in the public spaces. To reduce the effects of heat islands, greening



measures are implemented on, around and next to the houses. The resulting cultivation and sale of crop and ornamental plants through the sales-cum-display center enables women and girls to generate income and improves their livelihoods. The upgrading of an area into a public green space, a rainwater harvesting facility being included, serves as an educational opportunity for urban greening and water management options at household and public space level and at the same time as space for information on climate change. A solar powered "Climate Change Digital Learning Hub" will therefore be constructed next to the public open green space. This results in the community



Building Vibrant and Resilient Neighbourhoods

having knowledge of municipal services, climate adaptation and mitigation measures and a collective awareness on impact reduction and early warning systems.

Expected Results

First of all, the heat island effect within the community is reduced – represented by temperature loss inside buildings and also a lower temperature of the surroundings due to the cold air sink effect of urban green. Women of the community have been enabled to join efforts and have created a group of urban agro-based producers and micro entrepreneurs to tackle increasing impacts of heat island effects. The sales-cum display center will allow the women and girls to sale their products to middle-income groups at a higher price that directly contributes to their community savings fund. The small-scale rainwater harvesting facilities will show viable ways to citizens on dealing with the existing acute water scarcity in the city, value and usefulness of using all possible sources of water. At the end, the project supported the community to create alternative livelihoods for themselves. Around 150 families (900 people) will benefit from the project. The proposed activities contribute in achieving to SDG 2 (Zero Hunger), SDG 5 (Gender Equity), SDG 11 (Sustainable Cities and Communities) and SDG 13 (Climate Action), with the view on leaving no one behind (LNOB).

Published by:
Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ) GmbH

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Bonn, 2022

Implementation Partner

Anando, a national, Dhaka based NGO, is the implementing body and lead technical and coordinating partner, providing methodological and technical solutions, contributing financially and capturing lessons learned and reporting to GIZ. Anando has vast experience in community-based agriculture, climate change, bio diversification, micro-entrepreneurship development, micro-savings, micro-credit and technical training. Anando will as well support Satkhira Pourashava on community trainings and workshops. Political support, the provision of spaces for the public green space and the sales-cum-display centre, as well as the facilitation of community workshops and possible mediations are given by the municipality. The community and therefore all interested households within the selected urban poor settlement will be included in activities and share profits from sales as per family size to avoid any inter-communal conflicts and mistrusts. Volunteers from formal and informal sectors will be engaged for operations and maintenance of the public demonstration plot and all CDLH's.

Financing

The project implementation takes place from January 2022 to December 2022. BMZ provides EUR 95.000 through the GIZ Sector Project "Cities"; additional EUR 5.000 are contributed by the BMZ-funded GIZ "Climate Resilient Inclusive Smart Cities (CRISC)" project. Furthermore, Anando will support the project with EUR 10.000.

