

# STEP 3: IN DEPTH CP ASSESSMENT

Bangladesh Partnership for Cleaner Textile (PaCT) is a joint initiative, working with the textile wet processing sector towards the adoption of Cleaner Production (CP) practices. This will enable factories to reduce their water, energy, and chemical consumption, and also reduce their pollution load to the environment, leading to the long-term competitiveness and environmental sustainability of the sector.

PaCT plays an important role by directly supporting factories in setting and achieving Cleaner Production objectives. Factory level support is typically delivered in 3 steps.









Director  
Aboni Textiles Ltd.

*"By implementing CP suggestions, we got good economic, environmental, and social benefits."*

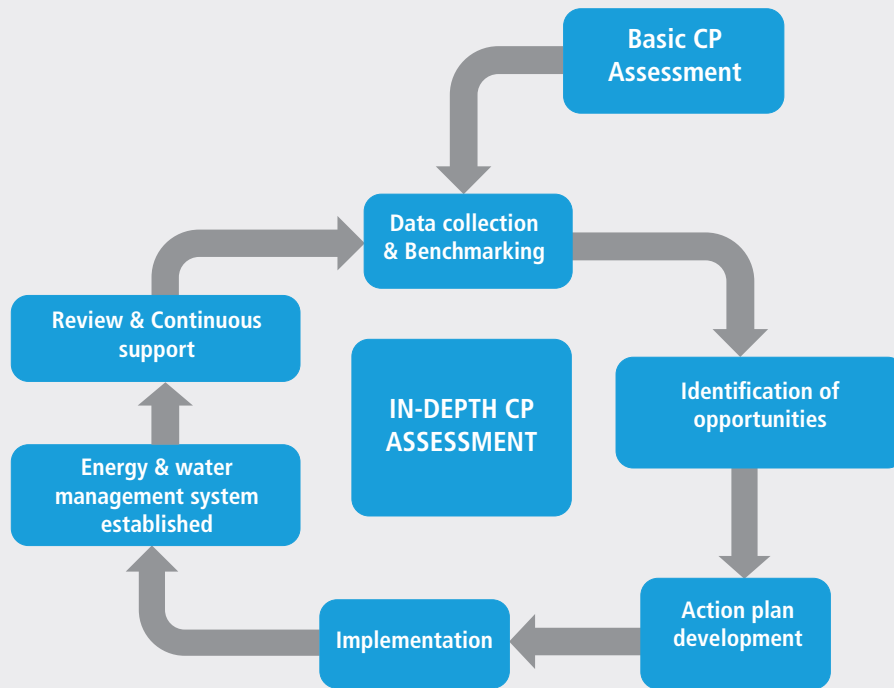


The scope of In-depth CP Assessment lies indyeing, finishing and laundry processes, and utilities including Effluent Treatment Plants (ETPs) in the factory. It is not a pass/fail audit. In-depth CP Assessment is a continuation of Basic CP Assessment; it identifies more technologically advanced opportunities for improvements in water, energy, chemical consumption, wastewater, sludge generation, carbon footprint, leading to simultaneous improvement in environmental performance and overall efficiency. Minimizing the use of water in the dye house has the double benefit of process cost reduction and ETP efficiency improvement.

## AREAS ADDRESSED IN IN-DEPTH CP ASSESSMENT

-  Sources of water extraction (tube wells, water treatment)
-  Chemical management
-  Process optimization
-  Energy management; thermal and electrical systems
-  Effluent Treatment Plants (ETPs) ; Water Treatment Plants (WTPs) operations
-  Water and energy management systems
-  Reuse/Recycle options
-  Access to finance

## HOW IN-DEPTH CP ASSESSMENT WORKS



In-depth CP Assessment is not a one-off fix. Rather, it aims to change mindsets of factory management and embed the philosophy of continuous improvement.

It provides factories with a roadmap to continuous improvement in water, energy and chemicals by involving top management in resource management diagnostic programs like PaCT Advantage.

## What PaCT Offers

- Provide consultancy support
- Prepare report on factory baseline, with detailed recommendations for efficiency improvement and cost savings
- Prepare final CP report elaborating on the benefits of the implemented CP measures
- Support factories to gain access to finance
- Provide links to technology suppliers through Textile Technology Business Center (TTBC)
- Organize User Group meetings on a regular basis to exchange experiences and challenges, discuss potential solutions, new developments, and technologies

## CRITERIA FOR PARTICIPATION:

- Complete Basic CP Assessment
- Install sufficient water meters and record water usage data
- Establish a resource management team with a Coordinator
- Pay a participation fee based on factory capacity

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