

Tusuka Washing Limited

PaCT Advantage Management Report

Endline assessment



Prepared for: Mr. Sorowar Alam
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Sector: Garment wash
Session Date: 16 Apr 2017



Bangladesh Water PaCT:
Partnership for Cleaner Textile

Section 1 - Executive Summary

PaCT Advantage offers a strategic analysis of your organisation's Water, Energy and Chemicals management business practices to help you improve Water, Energy and Chemical management within your organisation.

<p>PaCT Advantage is designed to help you:</p> <ol style="list-style-type: none">1. Understand your business issues relating to Water, Energy and Chemicals.2. Assess how you currently manage Water, Energy and Chemicals.3. Provide you with critical actions for improving your management of Water, Energy and Chemicals. These actions are designed for you to build effective systems for managing these so that savings achieved are sustainable.	<p>About this Report:</p> <p>This report summarizes how you currently manage Water, Energy and Chemicals, and recommends critical actions for improvement. It is in three sections:</p> <ol style="list-style-type: none">1. Executive summary2. Your results3. Your critical actions including guidelines and support for implementing actions. The critical actions provided in the report should be included in your Action Plan.
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The PaCT Advantage Rating and Benchmarking Scale:

The PaCT Advantage rating provides a measuring tool to gauge your organisation's Water, Energy and Chemicals management systems performance against other businesses. The rating system is represented by traffic lights:



"Got It Right"

Your organisation has developed formal systems for managing water, energy and chemicals.



"Room for Improvement"

Your organisation has made substantial progress in developing processes for managing water, energy and chemicals.



"Needs Attention"

Your organisation has started to address managing water, energy and chemicals and reducing obvious wastage.



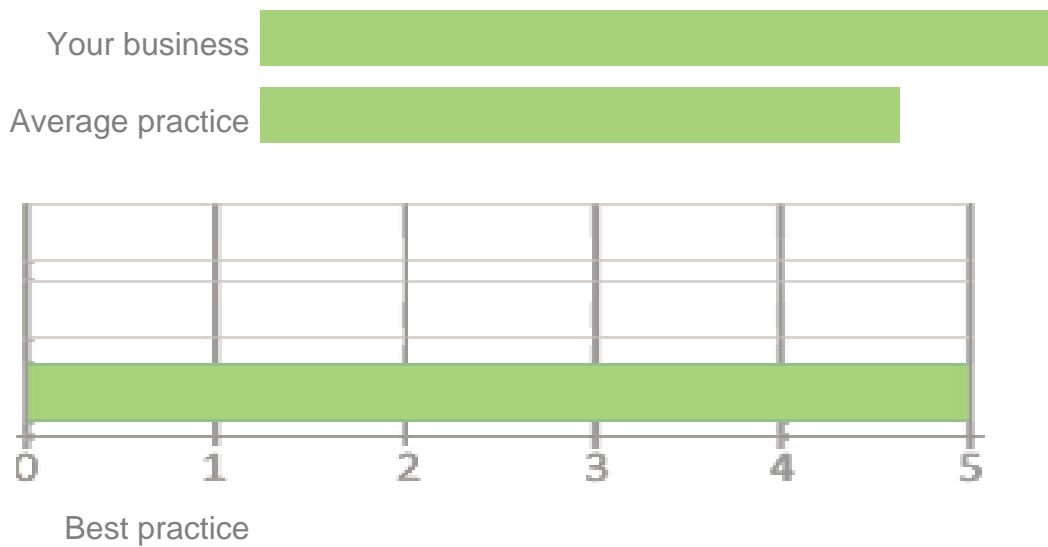
"Not Considered Yet"

Your organisation has yet to address the management of water, energy and chemicals.

Business Overview

Type of factory:	Garment wash
Production capacity:	12 tonnes/day
CP key contact:	Mr. Delwar Hossain
CP key contact title:	Director
GPS location:	

Your Overall Score and Benchmarking:



Your Annual PaCT Advantage Cost Summary:

Energy consumption (kWh/year)	18,105,155
Energy charges	\$1,810,515
Water consumption (m3/year)	564,608
Water charges	\$33,876

Business Overview

Wastewater generation (m3/	450,194
Wastewater charges	\$85,536
Total annual charges	\$1,929,927

Company profile:

Overview:

Tusuka is in garment business since 1997, started as a buying house named "texel" focusing only the woven market. With the vision of specialized denim/jeans making, in 2001 Tusuka started its venture as jeans manufacturer with only 2 sewing lines and a small laundry to take the opportunity of globally growing demand of denim garment. After a year management found the necessity of a large world class in house laundry section to fulfill the vision. So from 2003 management started to expended the laundry and new sewing lines in its compound. Now Tusuka has the washing capacity of 45000pcs per day, with total 34 sewing lines specialized in denim garment making.






















COMPANY NAME: TUSUKA JEANS.TROUSER & PROCESSING LTD.

CORPORATE HEAD QUARTER:

HEAD OFFICE

House- #50(5th floor),

Section 2 - Your results by category

Category	Not yet Considered	Needs Attention	Room for Improvement	Got it Right
1. Leadership				
2. Accountabilities				
3. Metering and monitoring				
4. Reporting				
5. Awareness and training				
6. Water and chemical management				
7. Water efficiency technologies				
8. Wastewater management				
9. Energy management				
10. Electrical efficiency				
11. Thermal efficiency				
12. Process control				
13. Planning				
14. Targets and KPIs				
15. Financial management				
16. Operating procedures				
17. Maintenance procedures				
18. Innovation				
19. OHS policy				
20. PPE and personnel safety				
21. Achievement				

Section 3 - Your Action Plan

Listed below are recommended actions based on your responses to help you achieve water, energy and chemicals savings in your business. When you print this report, complete your Action Plan by assigning a person responsible for each task and a completion date in the Update Notes section.

	By When	By Whom
<p>Thermal efficiency Monitor and optimise your steam generation system regularly (e.g. do regular tuning of the burner to make sure efficient burning, maintain necessary air ventilation, install and maintain automatic blowdown control, maintaining hardness of inlet water).</p>	31/Aug/2017	Mr. S Alam
<p>Operating procedures Install automatic controls to cut water, chemical and energy use where feasible (e.g. controls on washers, dying, automatic shutdown of equipment when not in use).</p>	30/Sep/2017	Mr. S. Alam & Mr. Mehede
<p>Metering and monitoring Install online monitoring for your most water, energy and chemical-intensive equipment to ensure corrective action can be taken in a timely manner (installed a SCADA monitoring system or equivalent and included energy, water and chemical monitoring for key equipment).</p>	30/Sep/2017	Mr. S Alam & Mr. Serajul Islam
<p>Thermal efficiency Monitor all thermal sources to manage and recover energy. (e.g. maintain thermal oil generation and distribution system, recover heat from possible places etc.).</p>	31/May/2017	Mr. Serajul Islam

	By When	By Whom
<p>Operating procedures</p> <p>Established written operating instructions for your water, energy and chemical intensive equipment (e.g. washers, dying operations, boilers, compressors) to maximise water and energy efficiency and minimise chemical use.</p>	31/May/2017	Mr. Nahidul
<p>Achievement</p> <p>No Action Required.</p>	30/Sep/2017	Mr. S Alam, Mr. Serajul, Mr. Nahidul