

Toshiba Tec Malaysia Manufacturing Sdn. Bhd. Site Report Information

Address: Plot 111-A, Hala Kampung Jawa 2, Bayan Lepas Industrial Estate, 11900, Bayan Lepas, Penang.

Lot area: 28,686 m², Building area: 12,478 m², Green ratio: 17%

Establishment: : Feb. 1, 1991, Employees: 504 (as of Sep 2023)

Major products: Option for MFPs & Fax kit

ISO 14001 certified: Apr. 1998, Latest update: July 2022
(ISO Certificate reg. number: 01 104 1935850)



Message from Environmental Preservation Chief

To promote environmental awareness as follows:

- The reduction of CO2 emission
- Reduction of chemical substance emission
- 3R (Reduce, Reuse and Recycle)
- Minimize the depletion of natural resources - water saving activity
- Promote CSR activity at TTMM
- Continue to support conservation of biodiversity



Reshminster Singh
Asst. General Manager
General Administration Dept.

Major environmental activities in 2022

- ☆ ISO 14001 Environmental Management System
Certification obtained in Apr. 1998, Continuation Assessment in July 2022.
- ☆ Enforcement of environmental preservation system - 7th Action Plan
Compliance with laws and regulations; reinforcement of onsite management
- ☆ Reduction of chemical substance emissions
Reduction of chemical substance emissions per basic unit of output by **87.3%** from FY2003 level (target: **24%** reduction).
- ☆ Reduction in CO2 emissions
Reduction of CO2 (energy) emission per basic unit of output by **39.1%** from FY2003 level (target: **14%** reduction).
- ☆ Reduction in waste emissions, continuation of zero waste emissions
Reduction of total waste emissions by **66.9%** from FY2003 level (target: **24%** reduction).
- ☆ RoHS Compliance
All the products are RoHS compliant.

Environmental Month Activities 2022

Environmental awareness program

- Water Saving Tips

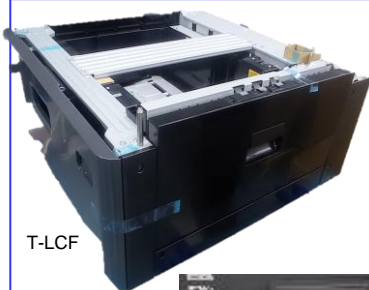
Employee education and training

- Schedule Waste Management in TTMM
- Chemical and Noise Awareness Training in TTMM
- Chemical spillage drill

Corporate social responsibilities

- Turtle Sanctuary at Pantai Kerachut
- Beach Cleaning at Pantai Kerachut
- Tree Planting Activity

Development of products and environmental technologies, Environmental consideration point



T-LCF



MFP OPTION DSDF



FINISHER



FAX KIT



NAD



MFP OPTION RADF

Toshiba Tec Malaysia Manufacturing Sdn. Bhd.

Integrated Management System (IMS) Policy

We, Toshiba Tec Malaysia Manufacturing Sdn. Bhd. a manufacturer of electronic products are committed to enhance our customer satisfaction and stakeholder's expectation:

Continual Improvement for product and service quality

Create quality products and services with pride and passion, keeping our customers in mind all the time and everywhere. TTMM is committed to continually improve its QMS by ensuring customers and other relevant requirements are conformed.

Actively participate in environmental protection & reduce environmental impact in our business process

Reduce the environment impacts of business process particularly on the prevention of global warming, efficient utilization of natural resources, control of chemical substances, conservation of biodiversity, conformance to Toshiba Tec Green Procurement guideline and set voluntary control limits whenever possible and contribute to achievement of Sustainable Development Goals (SDGs) in accordance with Toshiba Tec directive. TTMM is committed to continually improve its EMS by ensuring customers and other relevant requirements are conformed.

Develop health and safety conscious operation

Foster a safe and healthy work culture among workers by allocating resources and training. Provide a safe and healthy workplace by integrating safety & health into our daily business decisions and processes. TTMM shall continually engage workers and promote participation of workers in OSH related continual improvement activities. As part of commitment towards zero accident at workplace, TTMM shall continuously assess and eliminate occupational hazards and risks.


Ensure the IMS is conforming to the standards of ISO 9001, ISO 14001, ISO 45001, complying with applicable legal requirements, Sustainable Development Goals (SDGs) in accordance with Toshiba Tec directive and other requirements.

Periodically set, review & assess the risk related to quality, environment, health and safety to ensure it remains relevant and appropriate.

Make available and communicate this policy to interested parties, all persons working for and on behalf of TTMM.

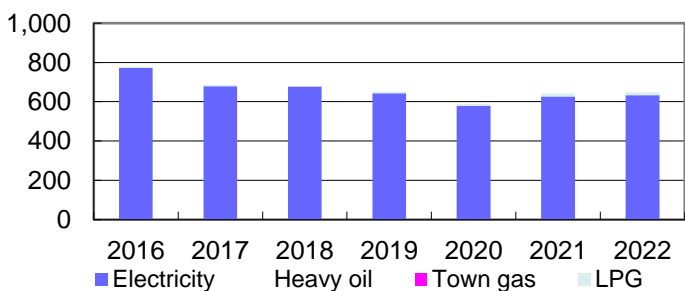
We shall continually educate our employees to uphold the integrity of the IMS.

This IMS Policy shall form the framework for setting the quality, environmental and occupational safety and health objectives.

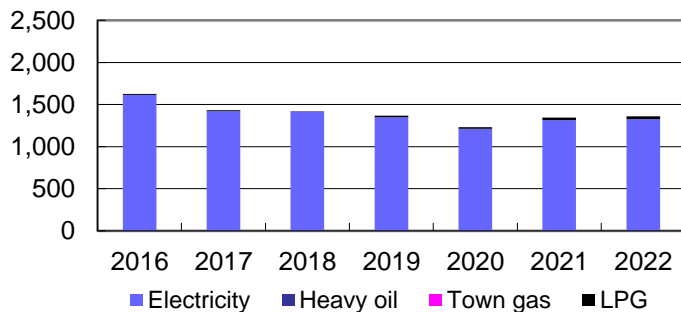

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TOMOYUKI HIDAKA
Managing Director
01 August 2020

Environmental load data

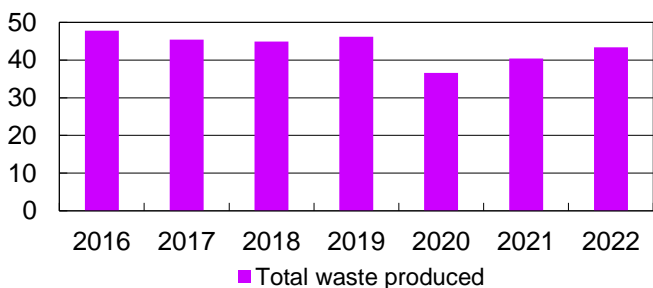
Energy usage (unit: KL)



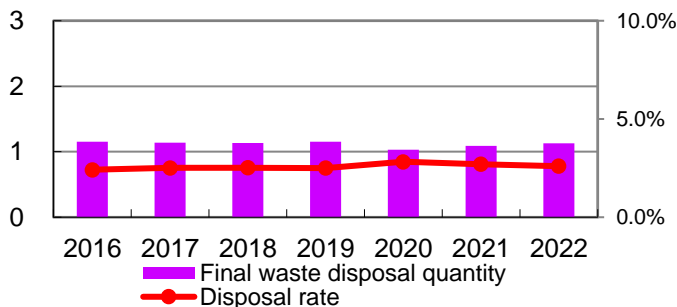
CO₂ emission (unit: ton-CO₂)



Total waste produced (unit: ton)

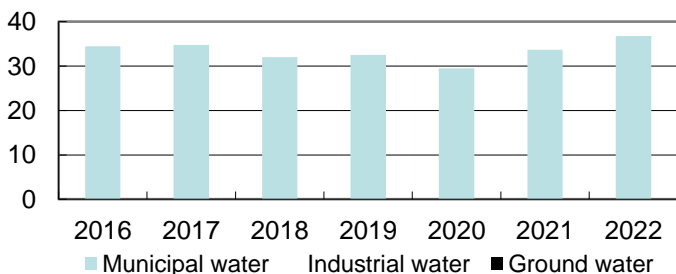


Final waste disposal quantity & disposal rate (unit: ton,%)

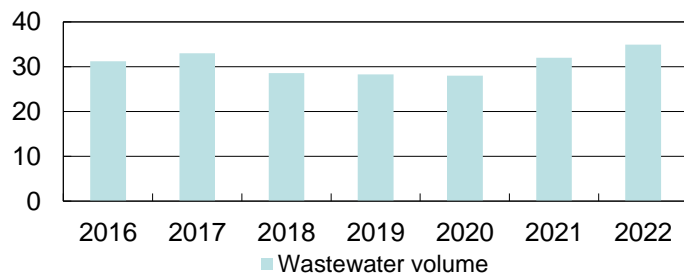


Major wastes: metal, plastic, paper

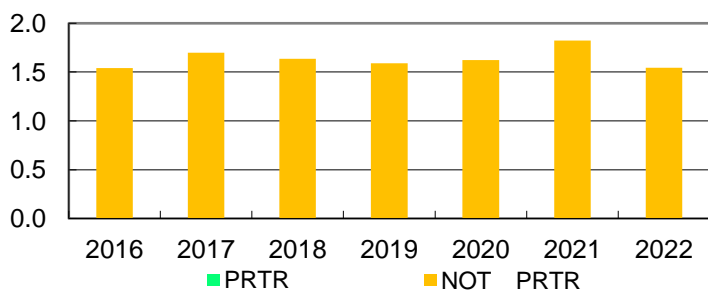
Water usage (unit: 1,000m³)



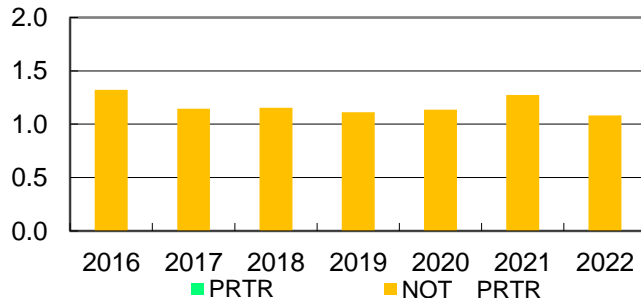
Wastewater volume (unit: 1,000m³)



Handing substances (unit: ton)



Substances volatilized and released to water (unit: ton)



Major chemical substances: IPA, Acetone

Compliance management

Atmospheric measurement results (multi-pipe small-type through flow boiler (city gas): X units)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
NOx (ppm)	NA	NA	NA	NA
SOx (Nm3/h)	NA	NA	NA	NA
Soot & dust (mg/Nm3)	NA	NA	NA	NA

Wastewater measurement results (major results) (Facility (acid/alkali surface treatment facility: Wastewater is discharged to rivers.

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	NA	NA	NA	NA
BOD (mg/l)	NA	NA	NA	NA
COD (mg/l)	NA	NA	NA	NA
SS (mg/l)	NA	NA	NA	NA
Nitrogen (mg/l)	NA	NA	NA	NA
Fluorine (mg/l)	NA	NA	NA	NA

Noise & vibration measurement results (specific facilities (noise: 1 (Air Compressor), vibration: 0

	Location: Time	Regulation value	Self-control value	Actual measurement	Measurement frequency
Noise (dB)	Lot boundary: Day	75	70	68.9	1 time / 5 year
	Lot boundary: Night	75	70	65.2	1 time / 5 year
Vibration (dB)	Lot boundary: Day	NA	NA	NA	NA
	Lot boundary: Night	NA	NA	NA	NA

Other measurement results (Sewage Water Law: Major results)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	NA	NA	NA	NA
BOD (mg/l)	NA	NA	NA	NA
SS (mg/l)	NA	NA	NA	NA

Environmental accidents, administrative advices and complaints

	State
Environmental accident	None
Environmental problem around the factory and in the local area	None
Administrative advice or direction	None
Complaint from neighboring residents	None

<Global Environmental Action>

BEFORE



AFTER



TTMM has installed 1 unit of energy efficient air compressor.

Environmental communication – TTMM Environmental Month 2022 Activities

Refer to next slide.

TTMM ENVIRONMENTAL MONTH 2022

Activity	Date	Objective	Photos	Highlights
Training on Proper Handling of Schedule Waste	4-Aug-22	The main objective of this training is to educate the scheduled waste generators on TTMM scheduled waste management & health effects arising from improper handling of hazardous substances. This training was given by TTMM competent Scheduled Waste Officer, Mr. Lau Hean Chee.		30 TTMM employees from scheduled waste generators & related employees attended this training.
Training on Chemical Handling and Noise Awareness at the Workplace	23-Aug-22	The training focuses to educate the chemical handlers on safe ways to handle chemicals & requirements to follow correct chemical labelling and assessing the risk arising from chemical hazardous to health. This training also focuses on awareness on noise arising from equipments or machineries at the workplace.		Training attended by 23 TTMM employees which are from chemical handlers, supervisors and those related to chemical and noise management at the workplace.
Formal Visit to Waste Recycling Facility (Preference Megacycle Sdn Bhd)	14-Sep-22	The agenda of the visit is to understand how TTMM scheduled waste are handled and processed together with confirming few items regarding the regulations.		On site inspection of subcontractor to ensure implementations and controls are appropriate and complied according to environmental laws and regulations.
Poster Drawing Competition	17-Sep-22	Poster drawing competition among TTMM employees was carried out to promote awareness on environmental protection, safety and health, quality, 5S, management innovation & cost reduction which the winners were selected and their posters were displayed at ground floor area.		A total of 90 posters were submitted from TTMM employees for 2022's poster drawing competition.
Water Saving Exhibition by Penang Water Supply Corporation (PBAPP)	27-Sep-22	This exhibition targets all employees to gain as much knowledge concerning water saving & how to minimize water consumption at the workplace and at home or workers' hostels.		Attractive brochures on water saving and water saving kits were distributed to those attended the exhibition. Informative videos on water consumption were also displayed to attract the participation from TTMM employees.
Fire & Accident Evacuation Drill	28-Sep-22	Emergency preparedness and response in case of fire in TTMM. This activity was carried out to test the preparedness and response of TTMM employee and ERT members during fire accident. This is to prevent loss of life, damage to property and prevent serious impact to the environment.		TTMM received supports from Fire Department to make this drill a success. All TTMM employee successfully follow to evacuate the building and gather at assembly area.
CSR Beach Cleaning Activity at Pantai Kerachut, Penang	29-Oct-22	Beach Cleaning Activity aims to encourage TTMM employees & family members including children on the importance to keep our beach clean & reduce the pollutants which can cause damage to ocean species. This activity also involves participations from 20 government staffs in support to TTMM annual CSR activity.		TTMM received appreciation from Government Department for continuous efforts in protecting the environment.
Turtle Sanctuary Activity at Pantai Kerachut, Penang	29-Oct-22	Turtle Sanctuary Activity focuses to conserve turtles from extinction & protect them from environmental risks which can harm their species.		TTMM donates a set of water pump as a support to Fishery Department.
Emergency Response Drill : Chemical Spillage 2022	14-Nov-22	Aim to test emergency preparedness and response to prevent chemical discharge to drain or river and to ensure Emergency Response Team (ERT), security and chemical handlers act promptly during emergency.		TTMM Chemical Spillage Drill 2022 was done at 1st floor UA production area.
Tree Planting Activity near Persiaran Bayan Indah, Penang.	23-Nov-22	This activity aims to raise awareness among TTMM employees on the importance of keeping our earth green and to reduce the global warming issues.		TOSHIBA targets to plant 1.5 million trees by 2025. TTMM's top management together with employees and local communities joined Tree Planting Activity 2022 & 40 trees were planted near Queensbay area.

Conservation of Biodiversity – Continue support of Penang’s turtle conservation program

The Penang Turtle Sanctuary is located at Pantai Kerachut in Penang National Park and was set up to help protect and preserve the endangered population of turtles in Malaysian waters. This program is to educate the TTMM employees and children on the importance of hatcheries turtle.

Turtle species in Malaysia are protected under Fisheries Act 1985 and Fisheries (Control of Endangered Species of Fish) 1999 (Amendment) Regulations 2008.

TTMM first started this activity in year 2012 in support to our endangered turtle species. We continuously put efforts to conduct this activity annually except during COVID-19 outbreak due to Malaysian government restrictions to conduct this activity in year 2020 & 2021. TTMM continues this activity again in 2022 and onwards.



2022 TTMM Turtle Sanctuary activity was held with the participation of around 100 persons including TTMM employees, family members and government staffs.



Release baby turtle:

Do you know that probability one baby turtle may survive for every 10, 000 released to sea? Do you know the turtle will return to the same beach where they were first gone to the sea?



Donation from TTMM:

TTMM has donated a set of water pump as a support to Fishery Department.



Collecting baby turtle from nesting to transfer tank:

The nesting was protected by metal cage to prevent from monitor lizard, eagle, monkey awaiting to eat them.

The baby turtle will be transferred to transfer tank for one week to let them become stronger before releasing them to the sea.



Appreciation from Fishery Department:

TTMM has received appreciation from Fishery Department for our continuous support to them.

Environmental targets

The main Environmental targets for FY2023.

Item	Indicator	Target for FY2023
Global warming prevention	In the ratio of CO2 emissions to net output relative to FY2003	14.5% reduction
Optimization of resources	In the ratio of total amount of waste generated to output relative to FY2003	25% reduction
Control of Chemical Substances	In the total emissions of chemical substances to air and water relative to FY2003	25% reduction

Environmental objectives

The main Environmental objectives for FY2025.

Item	Indicator	Objective for FY2025
Global warming prevention	In the ratio of CO2 emissions to net output relative to FY2003	15.5% reduction
Optimization of resources	In the ratio of total amount of waste generated to output relative to FY2003	27% reduction
Control of Chemical Substances	In the total emissions of chemical substances to air and water relative to FY2003	27% reduction