



# IETP Environmental Assessment Module

# Full Self-assessment Questionnaire Responses

## 1: Permits & Certificates

- 1.1  Does your facility possess environmental permits? (ex. Environmental Impact Assessment - EIA, Air Discharge Permit, Wastewater discharge permit, etc.)

Yes

No

1.2

Please describe, upload picture or scan of the permits:

Permit	Expiry Date	Description	Picture/Scan Image
Environmental Impact Assessment (EIA)	03/04/2018	EIA issued by municipal government on 2018 April 3, one of the construction approval permit required for operation	<a href="#">1.1 - EIA.png</a>
Liquid or wastewater Discharge Permit	06/01/2019	Issued by Development Authority on Jan 12, 2017.	<a href="#">DischargePermit-Example.jpg</a>

- 1.3  Does your facility possess environmental certificates? (ex. ISO 14001, 14064)

Yes

No

1.4

Please describe, upload picture or scan of the certificates:

Certificate	Expiry Date	Description	Picture/Scan Image
ISO 140012015	04/11/2024	Certified since 2010, Valid from Oct 19, 2021. GB/T24001-2016 by CQC	<a href="#">1.2 - ISO 14001.png</a>
ISO 1406412018	31/12/2022	GHG Certified by SGS	<a href="#">1.2 - ISO 14064-1.png</a>

## 2: Environmental Management System & Recycling

2.1 Does your facility have an Environmental Management System or Policy?

Yes

No

## 2.2

### Environmental Management System or Policy Details

#### a. Description

We reference the ISO 14001 and develop our own EMS. EMS is headed by our EVP who also approved policy.

#### b. Please upload system document or policy



Environmental Policy Example.jpg 137.2 KiB



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#### c. Provide details of the responsible staff managing the system or policy (i.e. name, title, roles and responsibilities, etc.)

Mr. John Doe, EVP, he is responsible for EMS and its versions' approval, ensuring objectives and goals are being met with actions. He provides instruction to all department heads to carry out initiatives.

#### d. Check areas which your system or policy covers

- Energy
- Water
- Industrial Wastewater
- Air Emissions
- Hazardous & Chemical Material
- Waste
- Noise

## 2.3 Does your facility have a continuous improvement program for finding on any environmental impacts?

Yes

No

## 2.4

Please describe and upload improvement program document here

#### a. Description

Environmental Improvement Plan for Waste, Energy and Water

#### b. Please upload improvement program document



Sample-Environemnt-Improvement-Plan.pdf 590.8 KiB



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2.5 Does your facility have a recycling program?

Yes  No



2.6

Please describe and upload program document here

a. Description

Factory will identify plastic for recycling with the 7 type identification, Type 1 - 6 plastic are recycled and collected by certified 3rd party.  
Factory follows local authority's recycling program for general recycling, type 7 plastic are recycled in the general recycle program

b. Please upload program document

 Plastic Recycling ID.jpg 53.3 KiB	<a href="#">Download</a>
 General Recycling.jpg 40.4 KiB	<a href="#">Download</a>

2.7 Does your facility manage recycle waste according to legal requirements?

Yes  No

### 3: Energy & Paper Usage

3.1 Does your facility track energy usage?

Yes  No

### 3.2

Please list all energy sources below (ex. Petrol, LPG, Electricity, Diesel, etc.)

Energy Source	Tracking Method	Frequency	Date
LPG	Calibrated Meters	weekly	16/09/2022
Petrol	Calibrated Meters	Monthly	31/08/2022
Electricity	Service provider monthly invoice	monthly	31/08/2022

Energy Source	Last Measurement	Unit
LPG	10000	kPa
Petrol	2000	Gallons
Electricity	1020.5	kWh

### 3.3 Does your facility use renewable energy?

Yes

No

### 3.4

Please list all renewable energy used below. (ex. solar, wind, hydro, etc.)

Renewable Energy	% Contribution To Overall Energy Usage	Date Of Assessment (Month/Year)	Application
Solar	5	01/08/2022	Dormitory electricity use in evening
Wind	5	01/01/2022	Electricity for warehouse 4

3.7 Does your facility track / inspect your GHG emission (Scope 1 & 2)?

Yes  No

3.8

GHG Emission Tracking / Inspection Details

Tracking / Inspection Method	Frequency	Date	Last Measurement (Total)
3rd Party Lab Report	Quarterly	21/07/2022	1000

Tracking / Inspection Method	Unit
3rd Party Lab Report	tonnes of CO2e

3.9 Does your facility have a continuous improvement program for reducing energy use / GHG Emission?

Yes  No

3.10

Please describe and upload program document here

a. Description

In our pretreatment process for coating of compressor line, we apply degreasing and chemical conversion coating\* as a treatment for the coating surface. By installing our "CAONS 140 circulated heating heat pump system" to convert the heat source and discontinue the use of steam, we succeeded in reducing CO2 emissions by 310 tons per year. By also introducing various energy-saving measures, we succeeded in achieving a reduction of CO2 emissions by 540 tons per year for the entire coating pretreatment.

b. Please upload program document

 Coating Equipment (1).jpg 54.9 KiB [Download](#)

 PPN-0621-Carbon-Reduction-Plan-AC (2).pdf 98.6 KiB [Download](#)

3.11 Does your facility track your paper usage?

Yes  No

3.12

### Paper Usage Tracking Details

Tracking Method	Frequency	Date	Last Measurement
Factory paper purchasing invoices	Monthly	31/08/2022	60

Tracking Method	Unit
Factory paper purchasing invoices	Kg

3.13 Does your facility have a continuous improvement program for reducing paper usage?

Yes  No

3.14

Please describe and upload program document here

a. Description

Paper usage reduction plan focuses on printer paper, and paper cups used. Target is a 30% reduction on overall usage in 2022 comp

b. Please upload program document

 Paper reduction plan.jpg 79.9 KiB [Download](#)

## 4: Water Usage

4.1 Does your facility track water usage?

Yes  No



## 4.2 Water Source and Usage

Water Source	Tracking Method	Frequency	Date
Municipality Water Supply	Monthly water bill	monthly	31/08/2022

Water Source	Last Measurement	Unit
Municipality Water Supply	56752	Gallons

4.3 Does your facility have a continuous improvement program for reducing water usage?

Yes  No

4.4

Please describe and upload program document here

a. Description

1. Perform an Audit of Water - Use by department on quarterly basis with a target of 5% reduction in next quarter review.  
2. Reuse Water - Where possible by production departments on a 6 months basis. Target of 5% reduction YOY.  
3. Protect Systems Against Water Loss - Factory Maintenance Team must perform water leakage inspection on all equipment monthly, all fixes must be monitored for completion.  
4. Reduce Water Use in Cooling - All equipment with water cooling feature must be reported to Equipment Dept. for assessment on a quarterly basis.  
5. Monitor Process, Boiler and Cooling Water Use - Factory Maintenance Team must monitor and report water usage on mentioned equipment separately to ESG team on monthly basis.

b. Please upload program document

 Water Usage Reduction Action.jpg 90.0 KiB [Download](#)

## 5: Industrial Wastewater

5.1 Does your facility generate industrial wastewater?

Yes  No

5.2 Please list all industrial wastewater generating processes below. (ex. Spray paint, metal work, etc.)

Spray Painting

5.3 Does your facility track the levels of total industrial wastewater generated?

✓ Yes

✗ No

5.4

#### Industrial Wastewater Tracking Details

Tracking Method	Frequency	Last Measurement Date	Last Measurement (Total)
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No. of filled wastewater barrel (55 Gallons)

Monthly

31/08/2022

10

Tracking Method	Unit
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No. of filled wastewater barrel (55 Gallons)

Barrel (55 Gallons)

5.5 How does your facility discharge industrial wastewater? Please explain

Collect wastewater into 55 gallons barrels for collection by certified company on a monthly basis

5.6 Does your industrial wastewater discharge comply with the legal requirements?

✓ Yes

✗ No

## 6: Air & Volatile Organic Compound (VOC) Discharge

6.1 Does your facility track / inspect air discharge levels?

✓ Yes

✗ No

## 6.2

### Air Discharge Tracking / Inspection Details

Tracking / Inspection Method	Frequency	Date	Last Measurement (Max.)
3rd party lab inspection	Yearly	31/12/2021	1000

Tracking / Inspection Method	Unit	Latest Report	Legal Compliance
3rd party lab inspection	m <sup>3</sup> /h	<a href="#">Wastewater, Air Discharge, Noise report.png</a>	Yes

## 6.3 Does your facility track / inspect Volatile Organic Compound (VOC) discharge levels?

Yes  No

## 6.4

### Volatile Organic Compound (VOC) Discharge Tracking / Inspection Details

Tracking / Inspection Method	Frequency	Date	Last Measurement (Max.)
3rd Party lab Report from 4 measurement points	Yearly	31/12/2021	0.19

Tracking / Inspection Method	Unit	Latest Report	Legal Compliance
3rd Party lab Report from 4 measurement points	mg/m <sup>3</sup>	<a href="#">VOC report.png</a>	Yes

## 7: Hazardous Waste

### 7.1 Does your facility generate hazardous waste?

Yes  No

7.2 Check all hazardous waste types produced by your facility

- Electronic
- Chemicals & Solvents
- Chemical Containers
- Gas Cylinders
- Oil & Grease
- Contaminated Materials
- Lighting (Light bulbs, fluorescents)
- Ink Cartridges & Stationary
- Others (please describe)

7.3 Does your facility track the levels of hazardous waste it produces?

Yes

No

## 7.4

Please list all hazardous waste processes (ex. Injection, machining, soldering, etc.) and explain how your facility disposes of hazardous waste

Hazardous Waste Generating Process	Tracking Method	Frequency	Date
Injection Molding	3rd Party Collection Service monthly invoice	monthly	31/08/2022
Machining	Municipal recycle program collection report	Weekly	16/09/2022
General facility florescent light usage	3rd party collection service monthly invoice	monthly	31/08/2022

Hazardous Waste Generating Process	Last Measurement	Unit	Disposal Method
Injection Molding	5	tons	3rd Party Collection Service
Machining	35	kg	Municipal Recycling System
General facility florescent light usage	70	kg	3rd party collection service

Hazardous Waste Generating Process	Legal Compliance
Injection Molding	Yes
Machining	Yes
General facility florescent light usage	Yes

## 8: Non-Hazardous Waste

8.1 Does your facility track the levels of non-hazardous waste generated?

Yes  No

8.2

Non-hazardous Waste Tracking Details

Tracking Method	Frequency	Date	Last Measurement
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Municipal waste collection	Weekly	30/09/2022	15
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Tracking Method	Unit
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Municipal waste collection	Gallons Bin
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8.3 How does your facility dispose of non-hazardous waste? (ex. 3rd party collection service, municipal collection program, onsite treatment)

Municipal waste collection

8.4 Does the method of non-hazardous waste disposal comply with legal requirements?

Yes  No

## 9: Noise Pollution

9.1 Does your facility track noise pollution generate by your facility?

Yes  No

## 9.2

Please list all source of noise pollution in the table below. (ex. machinery, generators, etc.)

Source Of Noise Pollution	Tracking Method	Frequency	Date
Plastic Material Grinder	Decibel Meter	Monthly	16/09/2022
Generator	Decibel Meter	Monthly	31/08/2022

Source Of Noise Pollution	Last Measurement	Unit
Plastic Material Grinder	100	db
Generator	110	db

9.3 Does your facility have plan to reduce noise pollution?

Yes

No

9.4 Explain here

Factory plan to purchase new version generators in 2023 which is expected to reduce noise level by 20%. Started in May 2022, all machinery generating noise over 90 db will put extra insulation where possible to keep noise level 90 db or below as much as possible.

## 10: Good Practices and Sharing

10.1 Please describe other good practices or environmental related programs that your facility has been working on with local authority, organisations, or buyers. (ex. Energy Use, and GHG Management, Land Use & Biodiversity)

We have been following government schemes by allocating specific meterage of reclaimed land to increase biodiversity levels and create a natural buffer zone between the adjacent road and industrial park.