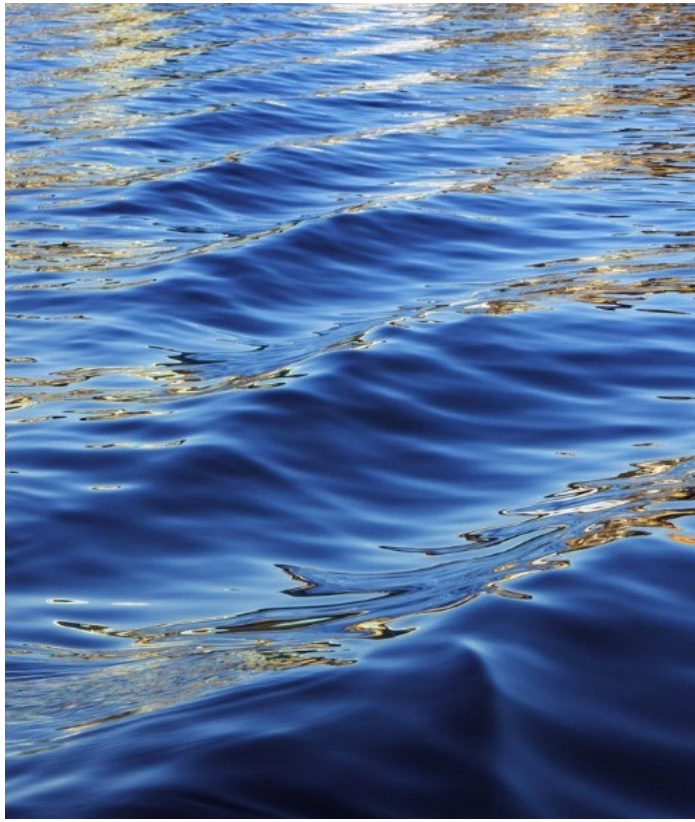
Water Footprint Report Year 2023 & 2024

Vanesa Cosmetics Pvt. Ltd.
Industrial Area, Akbarpur Barota, Sonipat, Haryana, India



ABOUT THE REPORT

- Introduction
- Objective of the Report
- Water Footprint Methodology
- Water Footprint Assessment
- Conclusion & Recommendations

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"Conserve water, conserve life. Every drop counts towards a sustainable future."

At Vanesa Cosmetics Pvt. Ltd., we prioritize sustainable and responsible water stewardship. Through efficient water use, advanced recycling practices, and reduced discharge, we aim to lower our overall water footprint while maintaining strict adherence to environmental regulations.

These ongoing initiatives underscore our commitment to building a sustainable future, one that safeguards both our business and the planet.

- Mr. Shubham Gupta
Director

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INTRODUCTION

This report evaluates the water footprint of Narayan Industries Global Limited, using the ISO 14046 and Water Footprint Network (WFN) methodologies. The water footprint is categorized into **Blue Water Footprint (BWF), Grey Water Footprint (GWF), and Green Water Footprint (GWF)**. The assessment is based on the yearly water consumption and discharge data provided by the organization.

Purpose & Objectives

- Assess total water impact across operations and supply chains.
- Improve **water efficiency and recycling**.
- Align with **ISO 14046, ISO 46001, GRI 303, and CDP Water**.

Scope & Boundaries

- The assessment covers the entire facility, including all operations related to manufacturing. This includes production areas, washing units, utilities (boilers, cooling systems), and administrative offices.

Exclusions from the Boundary

- Rainwater and stormwater drainage (unless reported as a resource)
- Water consumption by third-party suppliers or outsourced activities

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OBJECTIVE OF THE REPORT

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OBJECTIVE OF THE REPORT

1. **Assess Water Consumption** – Quantify and analyse the total water intake, usage, and discharge within the facility's operations.
2. **Categorize Water Footprint** – Classify water usage into **blue water (groundwater consumption), green water (rainwater dependency), and grey water (water required to dilute pollutants)** based on standard methodologies (ISO 14046, WFN).
3. **Identify Efficiency & Losses** – Evaluate water balance, detect inefficiencies, and highlight areas for conservation and process optimization.
4. **Ensure Compliance** – Assess adherence to regulatory limits and industry best practices for wastewater treatment and discharge.
5. **Enhance Sustainability Efforts** – Provide actionable recommendations to reduce freshwater dependency, increase recycling, and improve overall water stewardship.
6. **Support Decision-Making** – Offer insights for sustainable policy development, resource allocation, and stakeholder engagement to minimize the environmental impact of water use.

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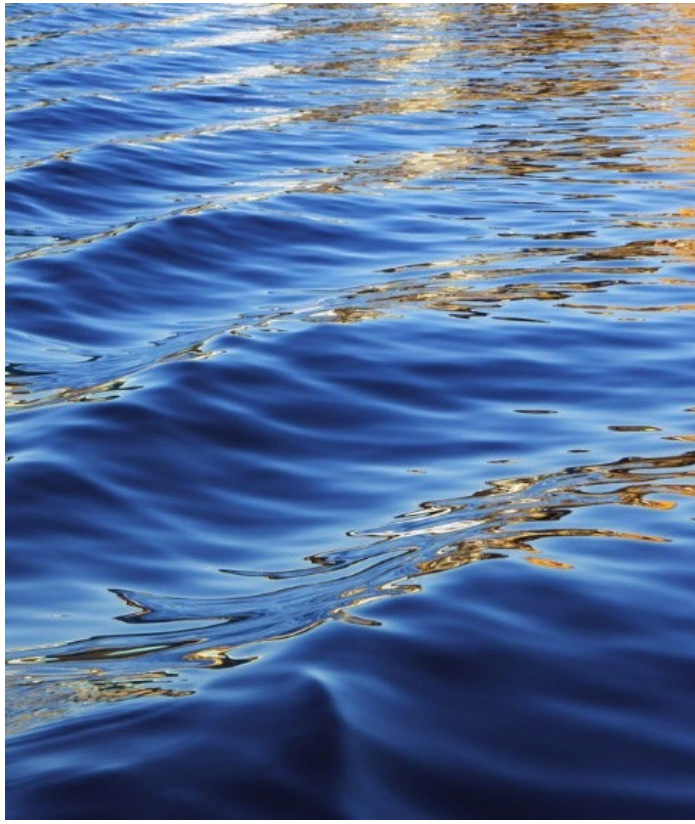
ABOUT THE ORGANIZATION



Vanesa Cosmetics Pvt. Ltd.

Vanesa Cosmetics Pvt. Ltd. is one of India's oldest and leading aerosol manufacturing companies, with over 50 years of experience in the aerosol industry. With a rich legacy of innovation and quality, they specialize in providing turnkey solutions, offering services from product development to production, and packaging.

The diverse product range caters to various sectors, with a focus on high-quality aerosol and liquid products.

Aerosols

- Perfumes
- Room Fresheners
- Skin Care
- Hair Care

Liquids

- Disinfectant Spray
- Sanitizers

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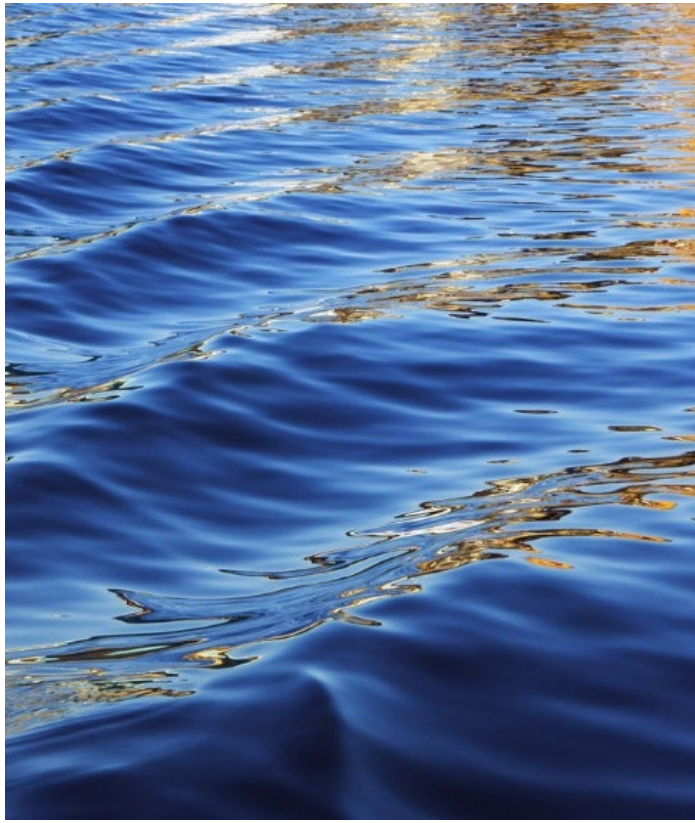
ABOUT THE REPORT



This Water Footprint Report for **Narayan Industries Global Limited** provides a detailed assessment of the organization's water consumption, usage patterns, and discharge processes. It follows globally recognized methodologies, including **ISO 14046** and the **Water Footprint Network (WFN)**, to categorize water usage into **blue, green, and grey water footprints**.

The report aims to identify opportunities for **water conservation, efficiency improvements, and regulatory compliance**. It includes a comprehensive **water balance analysis**, evaluates the impact of water withdrawals on local resources, and suggests **sustainable water management strategies**.

By understanding and optimizing water usage, the facility can work towards **reducing its environmental footprint, enhancing operational sustainability, and aligning with global sustainability goals**.

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Intended Use & Users of the Report

This report is a voluntary communication to various stakeholders of the organization, including customers, management, investors, regulatory bodies, and the public. It aims to provide transparency on the company's water footprint and water balance, ensuring responsible water usage and sustainability. The report serves as a tool to monitor water consumption, recycling, and discharge, helping stakeholders track performance over time and establish a foundation for future water conservation and efficiency initiatives.

Management Details:
Mr. Shubham Gupta | Director

Verifier: Mr. Rajiv Chaturvedi
Verifier Certificate: ISO 14064-1 & ISO 14064-2
Certificate No.: 117874925 / 165946641:
Issued by: SGS India Pvt. Ltd.

Accounting & Reporting by:
Green Compliance Services

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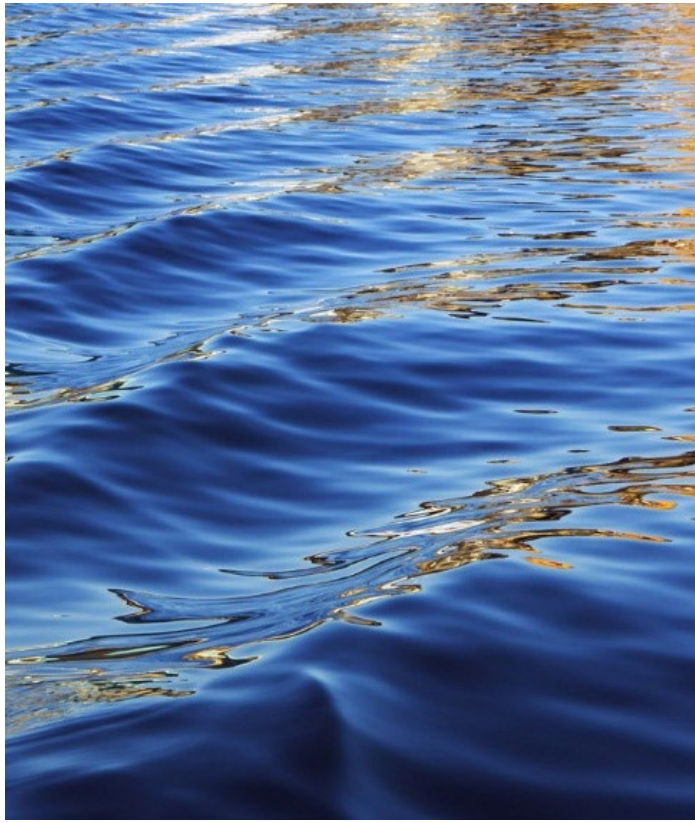
WATER FOOTPRINT METHODOLOGY



Water Footprint Methodology

1. **Standards Used:**

   - **ISO 14046** – Life Cycle Assessment-based approach
   - **Water Footprint Network (WFN)** – Blue, Green, and Grey water assessment

2. **Key Components of Water Footprint:**

   - **Blue Water** – Surface & groundwater consumption
   - **Green Water** – Rainwater stored in soil & used by plants
   - **Grey Water** – Water needed to dilute pollutants to meet quality standards

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Water Footprint Methodology

3. Data Collection:

- Water intake records (borewell, municipal supply)
- Water usage (industrial, domestic, cooling, washing)
- Discharge data (ETP-treated, RO waste, municipal sewer)
- Pollution concentration limits (BOD, COD, TSS)

4. Calculation Approach:

- Water Balance Analysis: Ensuring input = output + losses
- Blue, Green, and Grey Water Quantification
- Impact Assessment & Efficiency Evaluation

5. Objective:

- Optimize water usage & reduce footprint
- Improve water efficiency in operations
- Ensure regulatory compliance & sustainability

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Water Footprint Calculation & Analysis

Water Footprint Type	Definition	Data Required
Blue Water Footprint	Freshwater consumed from surface water (rivers, lakes) or groundwater sources.	- Borewell/municipal water intake
		- Wastewater discharge
		- RO & ETP treatment data
Green Water Footprint	Rainwater used directly for production or absorbed by soil and plants.	- Rainwater harvesting data
		- Crop/land area (for agriculture-related use)
Grey Water Footprint	Freshwater required to dilute pollutants to safe environmental levels.	- Effluent water quality data
		- Pollutant concentration limits
		- ETP discharge values
Total Water Footprint	Overall freshwater impact of the organization.	- Water intake & consumption records
		- Effluent discharge & treatment data

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Key Focus Areas

Water Efficiency	Assessing blue, green, and grey water consumption to identify areas for reduction and efficiency improvement.
Wastewater Treatment & Reuse	Enhancing **Effluent Treatment Plant (ETP) performance** and optimizing **Reverse Osmosis (RO) wastewater reuse.**
Innovation & Technology	Investing in **water-efficient technologies** and process improvements to reduce wastage.
Data-Driven Decision Making	Utilizing **water balance assessments** and real-time monitoring to make informed decisions.

This Water Footprint Report serves as a guiding document to help the facility achieve its **sustainability goals**, minimize its environmental impact, and ensure long-term water security for future generations.

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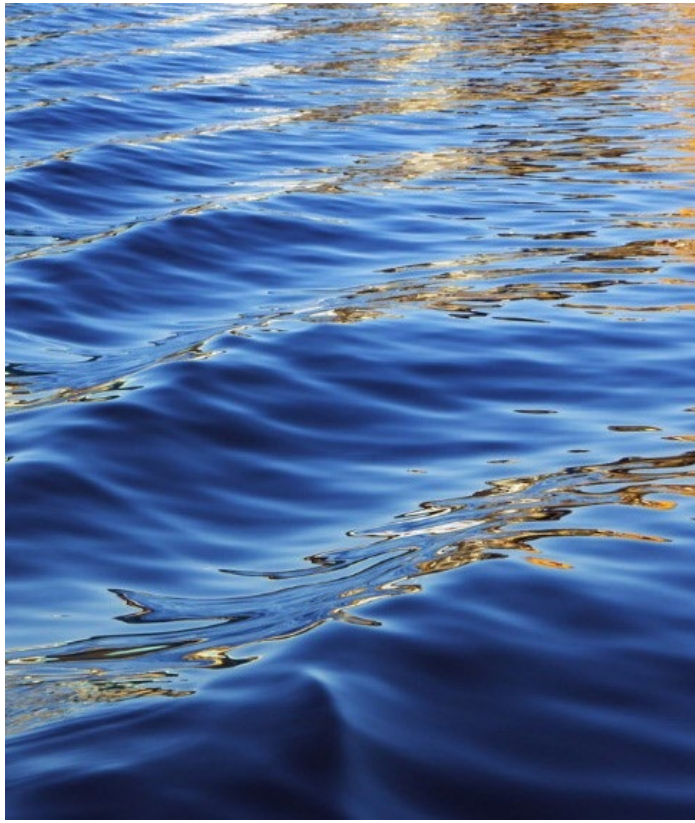
WATER FOOTPRINT ASSESSMENT- 2023



WATER DATA - 2023														
		Jan (Kl)	Feb (Kl)	Mar (Kl)	Apr (Kl)	May (Kl)	Jun (Kl)	Jul (Kl)	Aug (Kl)	Sep (Kl)	Oct (Kl)	Nov (Kl)	Dec (Kl)	Total (Kl)
Water Intake	Ground Water	0	0	0	0	0	0	0	0	0	0	0	0	**0**
	Total Water Intake	**130.00**	**112.70**	**126.88**	**122.00**	**126.88**	**126.88**	**136.50**	**131.25**	**131.25**	**126.00**	**121.90**	**141.97**	**1534.21**
RO Water	RO Intake	**107.50**	**92.00**	**104.00**	**100.00**	**104.00**	**104.00**	**114.40**	**110.00**	**110.00**	**105.60**	**101.20**	**117.00**	**1269.70**
Industrial Use	RO DM WATER	27.5	27.6	31.2	30.0	31.2	26.0	26.0	25.0	30.0	28.8	26.5	29.5	**339.22**
	RO Machine Cleaning	6.3	5.8	5.7	5.5	5.7	5.7	7.8	7.5	7.5	7.2	7.1	7.9	**79.69**
	Total Industrial Use	**33.75**	**33.35**	**36.92**	**35.50**	**36.92**	**31.72**	**33.80**	**32.50**	**37.50**	**36.00**	**33.56**	**37.39**	**418.91**
Domestic Use	RO Permit Filtered Fresh (Drinking)	7.50	6.90	7.28	7.00	7.28	7.28	7.02	6.75	6.75	6.48	7.51	8.11	**85.86**
	Domestic Toilet & Toilet	22.50	20.70	22.88	22.00	22.88	22.88	22.10	21.25	21.25	20.40	20.70	24.97	**264.51**
	Total Domestic Use	**30.00**	**27.60**	**30.16**	**29.00**	**30.16**	**30.16**	**29.12**	**28.00**	**28.00**	**26.88**	**28.21**	**33.08**	**350.37**
Water Reuse	RO Waste Water (Fire Tank and Bullet Cooling)	**66.25**	**51.75**	**59.80**	**57.50**	**59.80**	**65.00**	**73.58**	**70.75**	**65.75**	**63.12**	**60.13**	**71.50**	**764.93**
ETP	ETP Outlet (Used in gardening)	6	6	6	5	6	6	8	7	7	7	7	8	**78.10**
STP	STP Outlet (Used in gardening)	28.75	26.45	28.60	27.50	28.60	28.60	32.50	31.25	31.25	30.00	26.45	29.90	**349.85**

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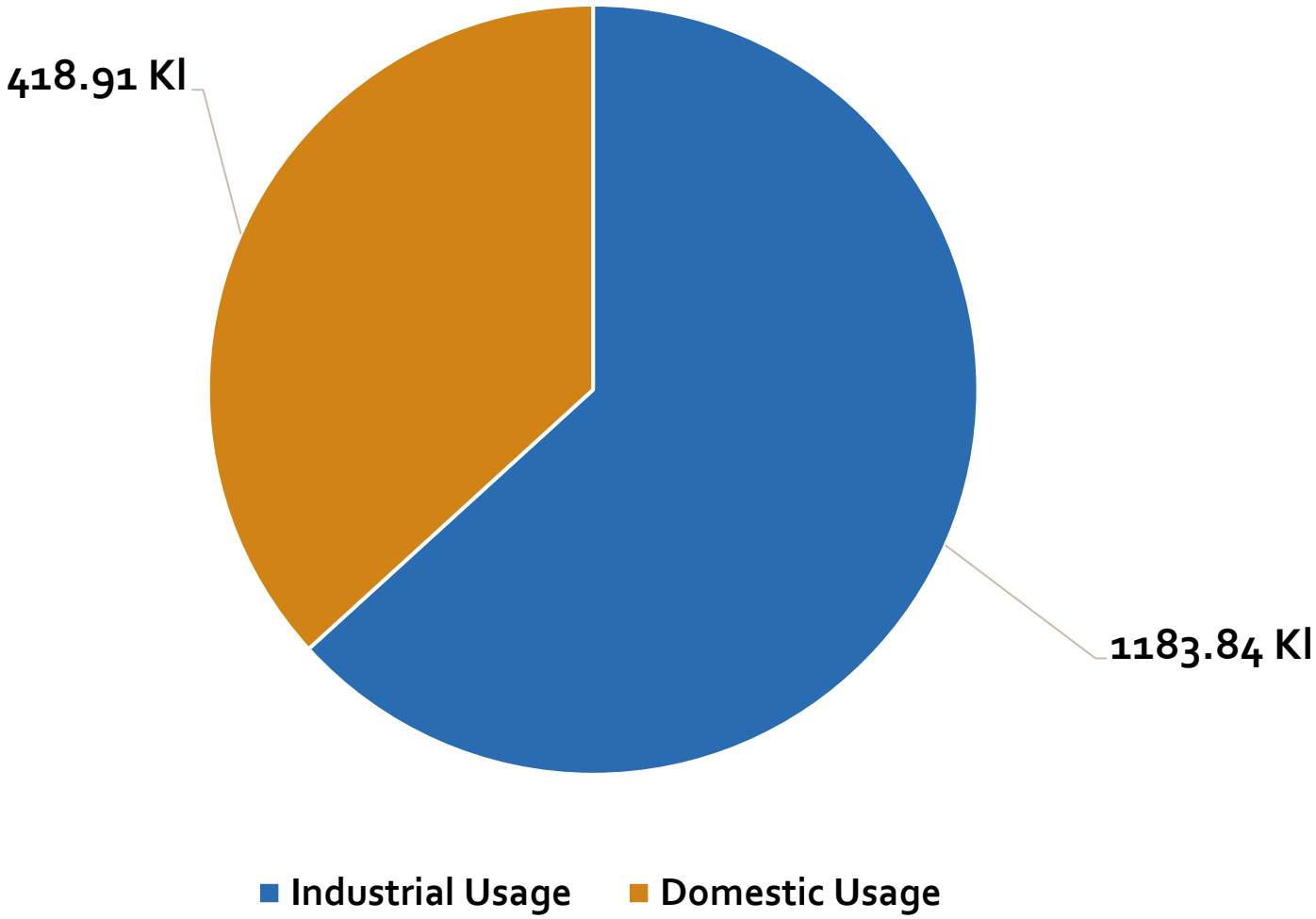
Water Usage



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Green Water Footprint:

- Water from **rainfall** that is stored in the soil and used by plants before running off or evaporating.
- There is no source of green water/ rainwater harvesting in the unit.
- Hence, Green Water = 0 Kl.

Blue Water Footprint:

- Water extracted from **surface or groundwater sources** (like borewells, lakes, rivers) for human use.
    - Total Water Intake: **1534.21 Kl** (Groundwater)
    - Blue Water Footprint = Total water intake – Water discharge/reused
    - Final Blue Water Footprint = **341.33 Kl**

Grey Water Footprint:

- Water that has been **used and discharged**, requiring treatment to remove contaminants before reuse or disposal.
- The facility does not directly into fresh water (rivers). Also, the water STP and ETP discharged water is reused within the facility.
- Effective Grey Water ~ **0 Kl**

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NORMALIZED WATER USAGE

Total Water Consumption												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Water Intake	130	112.7	126.88	122	126.88	126.88	136.5	131.25	131.25	126	121.9	141.97
No. of Working Days	24	27	25	23	26	25	26	26	26	25	25	24
Total Consumption Per Day (Kl)	5.42	4.17	5.08	5.30	4.88	5.08	5.25	5.05	5.05	5.04	4.88	5.92

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NORMALIZED WATER USAGE

Total Industrial Discharge												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total ETP Discharge	6.1	5.6	5.6	5.4	5.6	5.6	7.6	7.4	7.4	7.1	7.0	7.8
No. of Working Days	24.0	27.0	25.0	23.0	26.0	25.0	26.0	26.0	26.0	25.0	25.0	24.0
Discharge Per Day	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3

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NORMALIZED WATER USAGE

Total Domestic Discharge												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Domestic Discharge	28.75	26.45	28.6	27.5	28.6	28.6	32.5	31.25	31.25	30	26.45	29.9
No. of Working Days	24	27	25	23	26	25	26	26	26	25	25	24
Discharge Per Day	1.20	0.98	1.14	1.20	1.10	1.14	1.25	1.20	1.20	1.20	1.06	1.25

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NORMALIZED WATER USAGE

Total Domestic Consumption												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Domestic Use	30	27.6	30.16	29	30.16	30.16	29.12	28	28	26.88	28.21	33.08
Manpower	94	96	96	96	94	95	94	96	95	95	96	96
Per Manpower Water Consumption (Litre/Day)	12.77	12.50	12.08	12.08	12.34	12.21	11.91	11.67	11.79	11.79	12.78	13.25

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NORMALIZED WATER USAGE

Total Industrial Consumption												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Industrial Use	100	85.1	96.72	93	96.72	96.72	107.38	103.25	103.25	99.12	93.69	108.89
Working Days	24	27	25	23	26	25	26	26	26	25	25	24
Industrial Use Per Day	4.17	3.15	3.87	4.04	3.72	3.87	4.13	3.97	3.97	3.96	3.75	4.54

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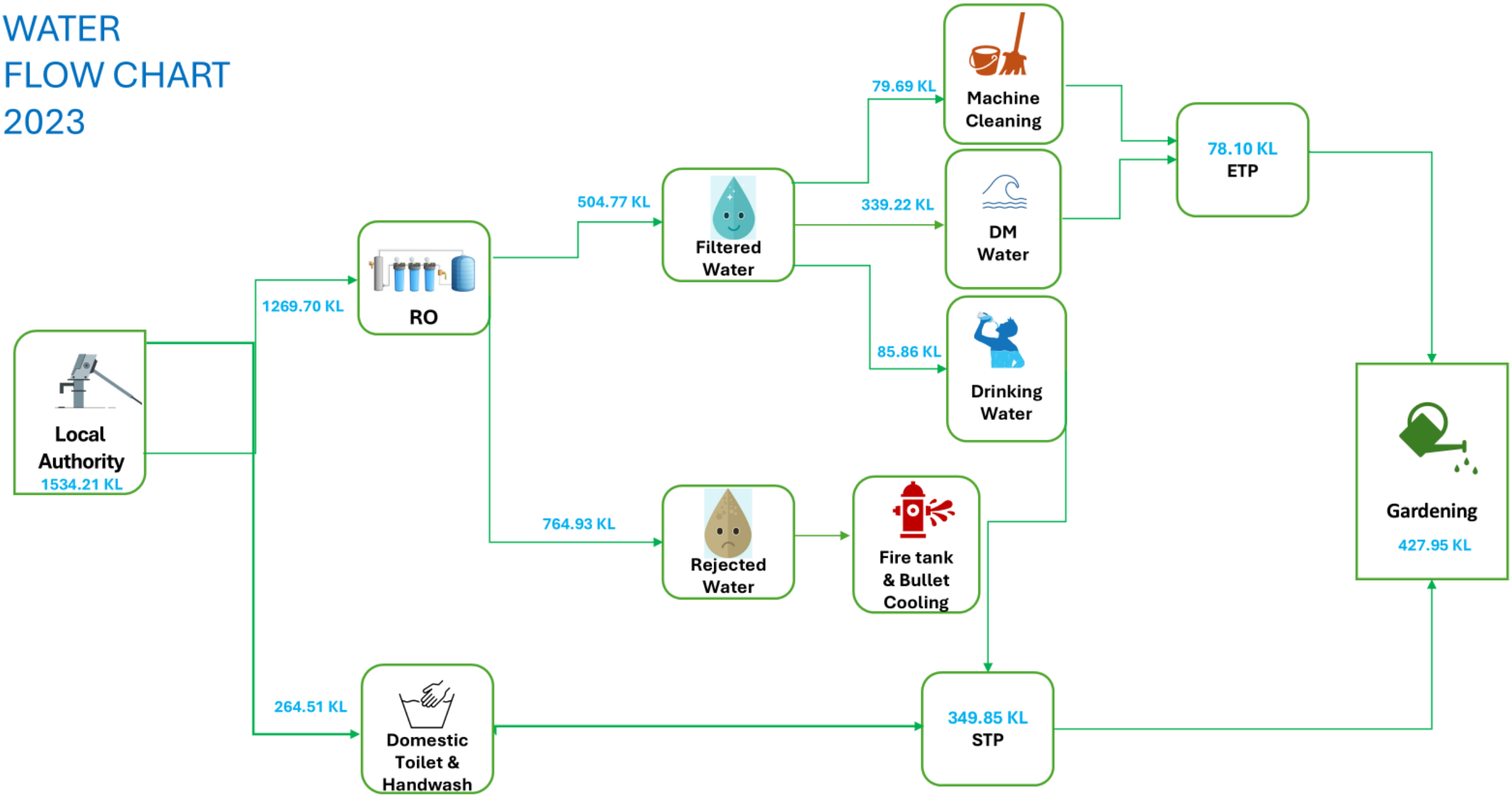
WATER FLOW CHART 2023



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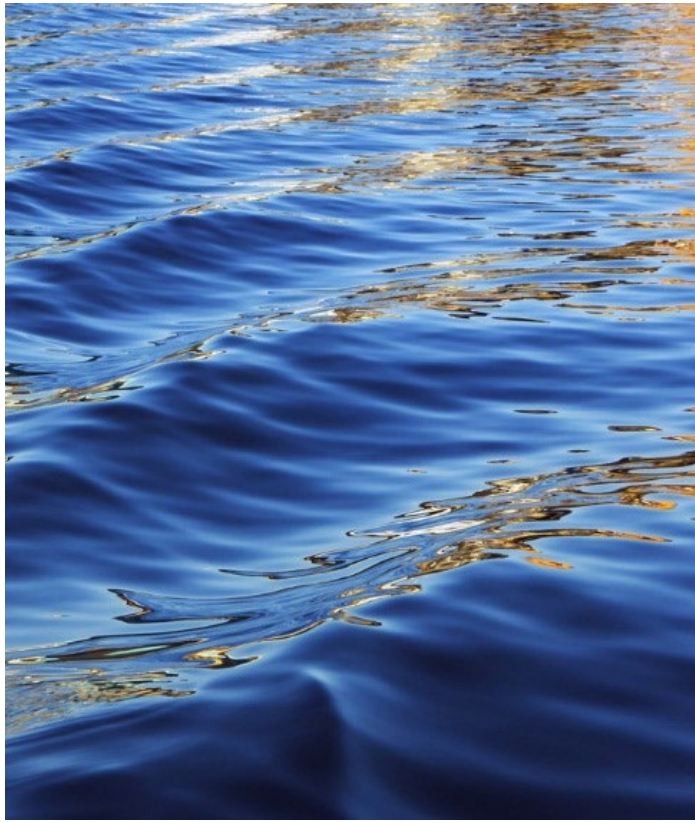
WATER FOOTPRINT ASSESSMENT- 2024



WATER DATA - 2024														
		Jan (Kl)	Feb (Kl)	Mar (Kl)	Apr (Kl)	May (Kl)	Jun (Kl)	Jul (Kl)	Aug (Kl)	Sep (Kl)	Oct (Kl)	Nov (Kl)	Dec (Kl)	Total (Kl)
Water Intake	Ground Water	0	0	0	0	0	0	0	0	0	0	0	0	**0**
	Total Water Intake	**137.95**	**130.06**	**122.70**	**136.39**	**131.69**	**130.04**	**143.30**	**122.46**	**126.69**	**120.57**	**132.56**	**129.16**	**1563.57**
RO Water	RO Intake	**114.40**	**107.50**	**100.80**	**114.40**	**109.20**	**107.50**	**121.50**	**100.80**	**105.00**	**98.90**	**110.00**	**107.50**	**1297.50**
Industrial Use	RO DM WATER	27.3	28.0	30.6	30.1	31.7	27.7	26.3	25.9	29.1	28.7	30.1	26.3	**341.85**
	RO Machine Cleaning	7.4	7.1	7.0	6.9	6.3	6.2	7.1	7.5	7.3	7.2	6.9	6.3	**83.10**
	Total Industrial Use	**34.72**	**35.12**	**37.55**	**37.07**	**37.94**	**33.81**	**33.44**	**33.39**	**36.35**	**35.88**	**37.07**	**32.61**	**424.95**
Domestic Use	RO Permit Filtered Fresh (Drinking)	7.45	7.10	7.16	7.11	7.19	7.29	7.13	7.10	7.16	7.15	7.11	7.10	**86.05**
	Domestic Toilet & Toilet	23.55	22.56	21.90	21.99	22.49	22.54	21.80	21.66	21.69	21.67	22.56	21.66	**266.07**
	Total Domestic Use	**31.00**	**29.66**	**29.06**	**29.10**	**29.68**	**29.83**	**28.93**	**28.76**	**28.85**	**28.82**	**29.67**	**28.76**	**352.12**
Water Reuse	RO Waste Water (Fire Tank and Bullet Cooling)	**72.23**	**65.28**	**56.09**	**70.22**	**64.07**	**66.40**	**80.93**	**60.31**	**61.49**	**55.87**	**65.82**	**67.79**	**786.50**
ETP	ETP Outlet (Used in gardening)	7	7	7	7	6	6	7	7	7	7	7	6	**81.44**
STP	STP Outlet (Used in gardening)	29.90	28.75	26.40	28.60	28.60	27.50	33.75	30.00	31.25	28.75	31.25	31.25	**356.00**

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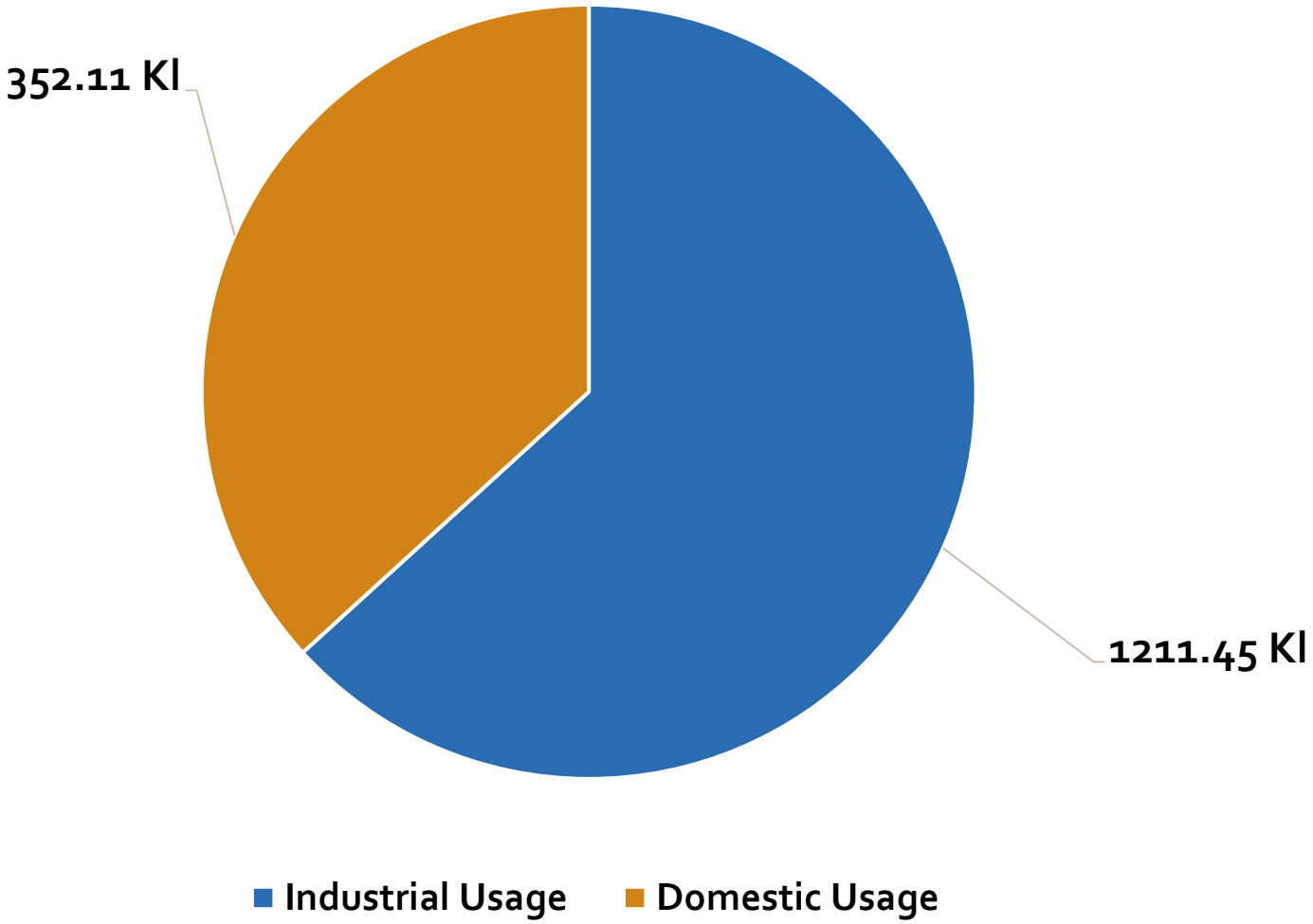
Water Usage



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Green Water Footprint:

- Water from **rainfall** that is stored in the soil and used by plants before running off or evaporating.
- There is no source of green water/ rainwater harvesting in the unit.
- Hence, Green Water = 0 Kl

Blue Water Footprint:

- Water extracted from **surface or groundwater sources** (like borewells, lakes, rivers) for human use.
    - Total Water Intake: **1563.57 Kl**
    - Blue Water Footprint = Total water intake – Water discharge
    - Final Blue Water Footprint = **339.63 Kl**

Grey Water Footprint:

- Water that has been **used and discharged**, requiring treatment to remove contaminants before reuse or disposal.
- The facility does not directly into fresh water (rivers). Also, the water STP and ETP discharged water is reused within the facility.
- Effective Grey Water ~ **0 Kl**

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NORMALIZED WATER USAGE

Total Water Consumption												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Water Intake	137.95	130.06	122.7	136.39	131.69	130.04	143.3	122.46	126.69	120.57	132.56	129.16
No. of Working Days	26	25	24	26	26	25	27	24	25	23	25	25
Total Consumption Per Day (Kl)	4.11	4.02	3.90	4.13	3.92	4.01	4.24	3.90	3.91	3.99	4.12	4.02

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NORMALIZED WATER USAGE

Total Industrial Discharge												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total ETP Discharge	7.2	7.0	6.9	6.8	6.2	6.0	7.0	7.3	7.1	7.0	6.8	6.2
No. of Working Days	26.0	25.0	24.0	26.0	26.0	25.0	27.0	24.0	25.0	23.0	25.0	25.0
Discharge Per Day	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2

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NORMALIZED WATER USAGE

Total Domestic Discharge												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Domestic Discharge	29.9	28.75	26.4	28.6	28.6	27.5	33.75	30	31.25	28.75	31.25	31.25
No. of Working Days	26	25	24	26	26	25	27	24	25	23	25	25
Discharge Per Day	1.15	1.15	1.10	1.10	1.10	1.10	1.25	1.25	1.25	1.25	1.25	1.25

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NORMALIZED WATER USAGE

Total Domestic Consumption												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Domestic Use	31	29.66	29.06	29.1	29.68	29.83	28.93	28.76	28.85	28.82	29.67	28.76
Manpower	93	92	94	92	92	94	93	93	93	94	94	90
Per Manpower Water Consumption (Litre/Day)	12.82	12.90	12.88	12.17	12.41	12.69	11.52	12.89	12.41	13.33	12.63	12.78

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NORMALIZED WATER USAGE

Total Industrial Consumption												
Month	**Jan (Kl)**	**Feb (Kl)**	**Mar (Kl)**	**Apr (Kl)**	**May (Kl)**	**Jun (Kl)**	**Jul (Kl)**	**Aug (Kl)**	**Sep (Kl)**	**Oct (Kl)**	**Nov (Kl)**	**Dec (Kl)**
Total Industrial Use	106.95	100.4	93.64	107.29	102.01	100.21	114.37	93.7	97.84	91.75	102.89	100.4
Working Days	26	25	24	26	26	25	27	24	25	23	25	25
Industrial Use Per Day	4.11	4.02	3.90	4.13	3.92	4.01	4.24	3.90	3.91	3.99	4.12	4.02

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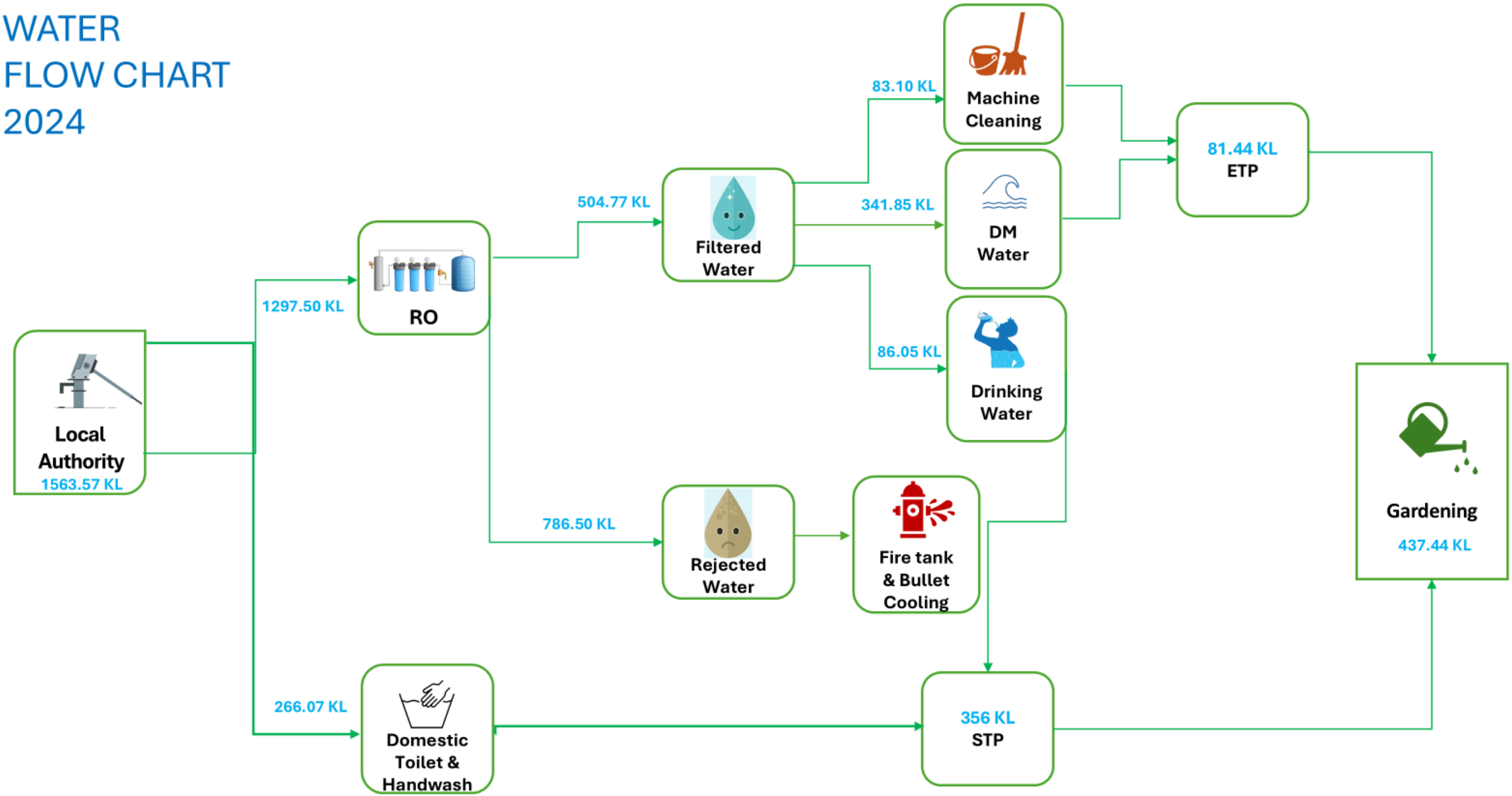
WATER FLOW CHART 2024



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