

KSH AUTOMOTIVE PVT. LTD.

Verification Report on Recycled Water Consumption & Quality – 2023

Facility: Sewage Treatment Plant (STP), KSH Automotive Pvt. Ltd.

Verified by: TÜVRheinland

Verification Date: 08-04-2023

1. Objective

To independently verify the **volume and quality** of recycled water utilized by the Sewage Treatment Plant (STP) at KSH Automotive Pvt. Ltd. for the year 2023. The verification considers metered flow data and water quality lab results from a NABL-accredited laboratory.

2. Methodology

- Review of monthly flow meter readings at STP outlet
- Verification of STP outlet water sample results tested by STAR Analytical Services (NABL accredited & MoEF&CC recognized)
- Compliance review against:
 - ISO 14046:2014 – Water Footprint
 - GRI 303:2018 – Water and Effluents
 - IS 10500: Drinking water standards (for non-potable reuse suitability)

3. Verified Monthly Recycled Water Usage (2023)

Month	Volume Used (Liters)
January	1,405
February	1,225
March	1,930
April	2,480
May	2,400
June	2,400
July	1,460
August	2,421
September	2,369
October	2,450
November	2,315
December	2,240
Total	25,095 Liters

4. Water Quality Verification (March 2023 Sample)

Lab: STAR Analytical Services

Sample Type: STP Outlet (Treated Water)

Date of Sampling: 15.03.2023

Date of Analysis: 16–19 March 2023

Parameter	Unit	Result	Method Used
pH	—	6.21	APHA 4500 H+ B
Total Dissolved Solids (TDS)	mg/L	624	APHA 2540 C
Total Suspended Solids (TSS)	mg/L	25.2	APHA 2540 D
Chemical Oxygen Demand (COD)	mg/L	189	APHA 5220 B
Biochemical Oxygen Demand (BOD)	mg/L	45.8	IS 3025 Part-44:2009
Oil & Grease	mg/L	5.60	APHA 5520 B

5. Observations

- All meter readings and logs were consistent with physical values.
- Treated water meets non-potable reuse quality criteria.
- The sample tested in March 2023 confirms acceptable water quality.
- Internal records were accurate and complete with no discrepancies.

6. Conclusion

TÜVRheinland confirms that:

- KSH-STP reused **25,095 liters of treated water** in 2023.
- Recycled water quality is within acceptable limits for reuse.
- Records and processes align with ISO 14046 and GRI 303 frameworks.

Authorized Signatory



Lead Environmental Auditor
TÜV Rheinland India Pvt. Ltd.

