

Verification Statement



Statement ID	WPI8120265435
Statement Holder	Orient Cement Limited. 5-9-22/57/D, 2 nd and 3 rd & 4 th Floor, P Birla Centre, Adarsh Nagar, Hyderabad, Telangana – 500063.
Verification Report	8120265435
Scope	To verify the overall status of water footprint of Orient Cement Limited Jalgaon grinding unit and Integrated plants located at Chittapur and Devapur.
Objective	To verify the organization's water footprint and water positive index.
Monitoring Period	April 01, 2023 to March 31, 2024 (inclusive of both days)
Reference Standard	TUVI Methodology

This water footprint was assessed according to the "TUVI Methodology" and calculation protocol under the "GCCA Water Positivity Index Tool" to derive the water mass balance. With application of the mentioned guideline, water footprint data for entire boundary was examined by TUV India regarding its correctness, consistency, accuracy, completeness, transparency and conforms the water positive¹ scoring –

Gross Water Positivity Index (Combined, Harvesting & Recharge and Water Saving)	1.64
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(please refer annexure 1 for detailed results).

For and on behalf of TUV India Private Limited



Manojkumar Borekar
Product Head – Sustainability Assurance Service
TUV India Private Limited

Date: 24/05/2024
Place: Mumbai, India
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This statement is part of a full verification report and should be read in conjunction with it. This Statement remains the property of TUV India Pvt. Ltd and shall be returned upon request. TUV India expressly disclaims any liability or co-responsibility for any decision a person or entity would make based on this Statement. TUV India has conducted the verification based on the data submitted by OCL. TUV India has certified water footprint based on the data submitted by OCL in form of various submitted documents. Validity of given Statement is subject to the annual surveillance. Person relying on this statement should verify its validity by checking with energy@tuv-nord.com

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¹ Water Positive Index = 'water credit' / 'water debit' (Positive if >1, Neutral if =1, Negative if <1)

Annexure 1

Introduction and Engagement

Orient Cement Limited (hereafter 'OCL') commissioned TUV India Private Limited (TUVI) to conduct the independent assurance of 'OCL's' water footprint and water positive index following the 'GCCA Water Positivity Index Tool' (for all 03 locations) which includes a "limited level of assurance" for the period April 01, 2023 to March 31, 2024. OCL follows the TUVI Methodology and calculation protocol under the "GCCA Water Positivity Index Tool". A physical on-site verification was conducted at Hyderabad Corporate Office (April 15, 2024) and one samples site i.e. Integrated plant located at Chittapur (April 16, 2024 to April 17, 2024) and remote audit for Devapur and Jalgaon plants.

Management's Responsibility

OCL management is responsible for the accurate preparation of all necessary information/data required for disclosure of water footprint. This responsibility includes identifying relevant data, input parameters, monitoring, quality control (QA/QC) measures for the accuracy, data aggregation, calculation, and data disclosure. OCL is responsible for designing, implementing, and maintaining systems and processes relevant for preparing the 'GCCA Water Positivity Index Tool' (for all 03 locations) spreadsheet in such a way that it is free of intended or unintended -material misstatements. TUVI undertook the assurance engagement following the terms of the contract.

Scope, Boundary, and Limitations of Assurance

The scope of the assurance engagement included the following:

- 1) Verification of quality of information presented in the 'GCCA Water Positivity Index Tool' (for all 03 locations) over the reporting period,
- 2) Applied monitoring and QA/ QC methods,
- 3) Calculation methodology,
- 4) Water mass balance,
- 5) "Water debit"² and "Water credit" input values and embedded calculations of "Gross Water Positivity Index (Combined, Harvesting & Recharge and Water Saving)" and "Net Water Positivity Index (Combined, Harvesting & Recharge and Water Saving)",
- 6) Review of disclosure on water balance status (negative/ positive/ neutral).

The reporting boundaries for the above topics include 03 manufacturing plants across India. The onsite visit was conducted at in the month of April 2024 for the below locations:

The onsite verification was conducted at Hyderabad Corporate Office (April 15, 2024) and Chittapur (April 16, 2024 to April 17, 2024). The assurance activities were carried out together with a desk review of other integrated cement manufacturing units located at Jalgaon and Devapur as per reporting boundary i.e. OCL India.

The OCL applies the operational control approach as considered all the 03 manufacturing locations. OCL is considered as part of boundary for verification of 'GCCA Water Positivity Index Tool' (for all).

The water consumption, water recycle and reuse processes at OCL were assessed for appropriateness of monitoring, reporting and QA/ QC requirements.

Verification Methodology

During the assurance engagement, TUVI adopted a risk-based approach, concentrating on verification efforts on 'GCCA Water Positivity Index Tool'. TUVI has verified the water data and claims made in the 'GCCA Water Positivity Index Tool' (for all 03 locations) spreadsheet, the robustness of the underlying data management system, information flow, and controls. In doing so:

- i. TUVI conducted onsite visit of OCL Chittapur Plant to assess the water withdrawal, water consumption, water recycle and reuse process;

² Refer the para "Definitions" below for details on the applied terminology

- ii. TUVI conducted desk review of the of water balance details and quantification methodology provided by the Company for its Chittapur, Devapur Integrated plants and Grinding Unit at Jalgaon and rainwater harvesting structures, ground water recharge structures developed under its CSR Projects;
- iii. TUVI verified the water credit and debit values through the desk review for the Devapur and Jalgaon plants with respect to 'GCCA Water Positivity Index Tool' (for all 03 locations) spreadsheet and assessed the robustness of the data management system, information flow, and controls;
- iv. TUVI verified the accuracy of application of terminology of 'water credit' and 'water debit';
- v. TUVI examined and reviewed the documents, data, and other information made available by OCL for water debit and credits;
- vi. TUVI conducted interviews with key representatives, including data owners and decision-makers of OCL;
- vii. TUVI verified sample-based checks of the processes for generating, gathering, and managing the quantitative data and qualitative information included in the 'GCCA Water Positivity Index Tool' (for all 03 locations) spreadsheet for the reporting period.

Conclusions

In our opinion, based on the scope of this assurance engagement, the disclosures on 'GCCA Water Positivity Index Tool' (for all 03 locations) spreadsheet are reported adequately. During the verification we have performed, nothing has come to our attention that causes us to believe that the information subject to the assurance engagement is not prepared, w.r.t. TUVI Methodology

As per the submitted 'GCCA Water Positivity Index Tool' (for all 03 locations),

- i. 'Water Debit' denotes 'the volume of metered/ estimated water withdrawal'; and
- ii. Water Credit is 'the summation of volume of recycled / reused water, harvested rainwater, groundwater recharge quantities and water saving through different initiatives';
- iii. Water Balance Index is defined as ration of water credit to 'water debit'. A value greater than/ equals/ less than unity, corresponds to a 'Positive/Neutral/Negative Water Balance' respectively.

Orient Cement Limited : Water Credit and Debit Assertion for FY 2023-24					
Particular	Unit	Devapur Works	Chittapur Works	Jalgaon Plant	Total
Total Gross Water Credit (Devapur, Chittapur, Jalgaon)	TCM*	1627.75	821.37	38.38	2,487.50
Total Net Water Credit (Devapur, Chittapur, Jalgaon)	TCM	1515.85	811.96	38.38	2,366.19
Total Gross Water Debit (Devapur, Chittapur, Jalgaon)	TCM	779.48	695.168	43.525	1,518.17
Total Net Water Debit (Devapur, Chittapur, Jalgaon)	TCM	530.56	695.168	43.525	1,269.25
Gross Water Positivity Index (Combined, Harvesting & Recharge and Water Saving)	Fraction	2.09	1.18	0.88	1.64

* TCM - thousand million cubic feet

Definitions

Gross Water Credit: Summation of water credits within and outside plant premises on account of - water harvesting and recharge interventions; water savings on farmers' land; and recharge through infiltration at the green area. Gross water credit includes recharge due to green area created at Captive Power Plant (CPP) and colony area.

Net Water Credit: Summation of water credits within and outside plant premises on account of - water harvesting and recharge interventions; water savings on farmers' land; and recharge through infiltration at the green area. Net water credit excludes recharge due to green area created at Captive Power Plant (CPP) and colony area.

Gross Water Debit: Sum of water debits on account of withdrawal from surface and sub-surface sources of water namely- borewell, open well, mine pit, river, reservoir, lake, pond, canal, municipal supply etc.
Net Water Debit: Gross water debit less quantity of water withdrawal for use of township/ colony of the company and use in captive power plants.

Water Positivity Index: Ratio of water credit to water debit in an accounting year is termed as 'Water Positivity Index'. This index is a measure of impact of water related interventions my member companies with respect to their water consumption in an accounting year. Water Positivity Index less than 'one' implies water credit value is less than water debit in an accounting year.

Gross Water Positivity Index: Ratio of gross water credit to gross water debit.

Net Water Positivity Index: Ratio of net water credit to net water debit.

Uncertainty

Water credited & debited Plant primary data has been collected for FY 2022-23, which is used to calculate the Water Index. During the audit uncertainty was observed in water credit side data so 10% uncertainty is considered for both CSR projects and 5% uncertainty is considered for recycled water from ETP and STP.

Particular	Category	Document Verified
Debit	Water withdrawal	Water Tanker Invoices & Log sheets.
Credit	Credit -within plant- Gross Green Area (including CPP and Colonies)	Raw Water data logged by the digital flowmeters
	Credit -within plant - Mine	Monthly readings from "Form-1 See Rule - 4 Returns Regarding Water Consumed"
	Credit -within plant - Pond	Raw Water data logged by the digital flowmeter

TUV's Competence and Independence

TUVI is an independent, neutral, third-party providing water services, with qualified environmental, Water, Energy and Greenhouse gas (GHG) verifier. TUVI states its independence and impartiality with regard to this assurance engagement. In the reporting year, TUVI did not work with OCL on any engagement that could compromise the independence or impartiality of our findings, conclusions. TUVI was not involved in the preparation of any statements or data included in the spreadsheet and Report, with the exception of this Assurance Statement. TUVI maintains complete impartiality towards any people interviewed during the assurance engagement. The sole responsibility for the preparation and content of the 'GCCA Water Positivity Index Tool' (for all 03 locations) lies with OCL. TUVI did not interact with OCL or its stakeholders in any prior engagements, which could impair the impartiality of the results and recommendations made in this statement.