

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000464

SITE DETAILS

Site: **Coca-Cola India - Pune**

Address: Plot No. 1109/1110, Pirangut, Tal- Mulshi, 412115, Pune, Maharashtra, INDIA

Contact Person: Milind Joshi

AWS Reference Number: AWS-000543

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Gold

Date of certification decision: 2023-Jun-19

Validity of certificate: 2026-Jun-19

AUDIT DETAILS

Audited Service(s): AWS Standard v2.0 (2019)

Audit Type(s): Initial Audit

Audit Start Date: 2022-Dec-12

Lead Auditor: Bharat Nagar

Site Participants:

Atul Pimpalkanane, Production manager

BalaKrishna Arora, Engineering Manager

Sandeep Boralkar, Factory Manager

Santosh Bhatt, Manager - Customer Service

Aishwarya More, Manager- Human Resource & Business Process

Nikhil Hingane, Asst. Mgr- Human Resources

Rajneesh Sharma, Manager- Quality Assurance

Nilesh Patil, Assistant Manager- Safety and Environment

Milind Joshi, Factory H&S Manager

Ashish Talwalkar, Supply chain and Logistics Manager

Dr Bharat Bhushan Nagar, Lead Auditor- WSAS

C. Rajaduari, Consultant

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ADDITIONAL INFO

Summary of Audit Findings: A total of 52 findings were raised during the certification audit, 15 major non-conformities, 29 minor non-conformities, 8 observations. The major non-conformities were of sufficient concern to warrant the categorization of the non-conformity as major and related to Good Water Governance, Good Water Quality Status & Important Water Related Areas.

The Client is requested to perform a root cause analysis and define corrective actions for each of the non-conformities and to submit these to WSAS within 60 days of receipt of the audit report by 23/04/2023.

The major non-conformities must be sufficiently addressed, and evidence submitted to WSAS within 90 days of receipt of the report by 23/05/2023.

Minor non-conformities must be closed out by the time of the next annual audit.

The audit team recommends certification of Coca-Cola India Private Limited (CC IPL) Facility in Pirangut Village, Mulshi Taluk, Pune, Maharashtra, India Site at Gold level pending approval of the corrective actions plan and closure of the major non-conformities.

The site obtained 45 points in the advanced indicators and therefore is recommended for Gold Status.

The scoring criteria is as follows:
AWS Core: 0 – 39 points
AWS Gold: 40 – 79 points
AWS Platinum: 80 or more points

CLOSURE OF FINDINGS AND CORRECTIVE ACTION PLAN:

The Client has successfully resolved the major non-conformity and submitted the corrective action plan addressing all findings.

Proof of implementation has been requested for the Minors and this will be evaluated during the Surveillance Audit. The client is requested to upload evidence of implementation prior to the Surveillance Audit.

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Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of Coca-Cola India Pvt. Ltd., Plot no. 1109-1110, Pirangut, Tal- Mulshi, District –Pune -412108 against the AWS International Water Stewardship Standard Version 2.

Coca-Cola India Pvt. Ltd., Plot no. 1109-1110, Pirangut, Tal-Mulshi, District – Pune -412108 is a Manufacturer of non-alcoholic Beverage Bases, it is situated in Pirangut, Pune, Maharashtra. The plant is spread over a total area of 53200 m². Currently, the plant has consent to withdraw 135 m³/day of water from 3 borewells available in the plant. At present, approximately 52.7m³/day (Considering 365 days average) of water is used for the plant operations i.e from April 2021 to March 2022. Industrial wastewater generated in the plant is treated in the Effluent Treatment Plant (ETP) of 90 KLD and is used for gardening purposes after ozonation & as feed to the cooling towers after passing through the wastewater RO system. Domestic sewage generated in the plant is treated in a separate Sewage treatment plant of capacity 20 KLD and is used for toilet flushing.

The stage of groundwater extraction as reported by CGWB (assessment year: 2020) is 68.92% which puts Pune district in the category of Safe zone. The district comes under Krishna River Basin and is drained by River Bhima and its tributaries. Bhima, the main tributary of Krishna rises in the Sahyadri mountains (Bhima Shankar Hill) in the district and flows east. All the rivers mostly have semi-dendritic drainage pattern and the drainage density is quite high. These rivers are flooded in the rainy season and are dry in the summer season. The climate of Pune district is characterized by hot tropical climate with moderate summer, mild winter season and general dryness throughout the year except during the south-west monsoon season, i.e., June to September. Temperature varies from 6.8 degree centigrade as minimum to 40 degrees centigrade. A The facility is located in the Alluvium and Basalt aquifers which are the main aquifers in the district. Geologically, the area is divided into following two parts i.e., Deccan Trap and Older Alluvium formation. Two aquifer Systems in Basalt and one shallow aquifer in Alluvium (limed to riverbanks) are found to be prevailing in the district.

The audit was conducted onsite on 12/12/2022 to 15/12/2022.

The onsite visit included the assessment of Coca Cola Production Unit at Pirungut village, visit to two nearby villages and to a water reservoir in Pirungut village, which is included in IWRA (onsite) as part of the audit.

SCORE

45.00

FINDINGS

NUMBER OF FINDINGS PER LEVEL

Observation	8
Minor	29
Major	15

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FINDING DETAILS

Finding No:	TNR-002966
Checklist Item No:	1.1.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including: <ul style="list-style-type: none">- Site boundaries;- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;- Any water sources providing water to the site that are owned or managed by the site or its parent organization;- Water service provider (if applicable) and its ultimate water source;- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;- Catchment(s) that the site affect(s) and is reliant upon for water.
Findings:	The site uses ground water, but the maps provided did not show the movement of water in the aquifer that the site affects and is reliant upon for water at catchment level. The mapping was only focused on surface water.
Corrective action:	AWS requirement 1.1 is about gathering information to define site physical scope. Referring to the finding, we have updated the document with detailed information of movement of water in the aquifer i.e. groundwater formation and flow direction indicating the lithology and zone of recharge and discharge in the catchment. This was identified as a part of the SVA 2021 study. The same has been modified and updated in Attachment-2 of evidence.

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Finding No:	TNR-002969
Checklist Item No:	1.2.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall: <ul style="list-style-type: none">- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;- Provide evidence of stakeholder consultation on water-related interests and challenges;- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;- Identify the degree of stakeholder engagement based on their level of interest and influence.
Findings:	<p>The external stakeholder mapping as shown in attachment 4 shows the influence of local panchayat, CGWA and MPCB as low, whereas obtaining consent from the MPCB and CGWA is crucial for onsite plant operational sustenance.</p> <p>During the audit, the site was unable to share evidence of stakeholder consultation on water related interests and challenges.</p>
Corrective action:	<p>The attachment number 4 was updated with a reclassification of CGWA & MPCB under the high influence category of "Consult". Also the facility undertaken the stakeholder consultation as part of the awareness program undertaken at Urawade village on 10th December 2022. The facility has identified the stakeholders in Attn 4. The facility will consult with these stakeholders like identified villages, neighboring industries, NGOs, Authorities etc. within the catchment and details of the same will be presented in next annual surveillance audit.</p>

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Finding No:	TNR-002972
Checklist Item No:	1.2.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.
Findings:	Current and potential degree of influence between site and stakeholder for external and internal stakeholders were provided however it was not clear from the map that the site's ultimate water source and ultimate receiving water body for wastewater were considered. The aquifer that the site affects and is reliant upon for water at catchment level was not properly understood.
Corrective action:	Currently site is using ground water as a water source and treated wastewater is used for gardening purpose within the premises as per Maharashtra Pollution Control Board (MPCB) consent condition CCIPL will provide the extract of the information related to a site water source and treated wastewater use. Also provides information on the aquifer that site is drawing water and recharging. This relates the sites ultimate water source and wastewater management at the site.

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Finding No:	TNR-002977
Checklist Item No:	1.3.4
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.
Findings:	<p>Water Quality results for site's water sources were provided for Borehole 8, 10 and 11 for 11/05/2021. the results show exceedances in TDS, Total Alkalinity, Total Hardness and Total Coliform Bacteria for Borehole 8 &10 water. For Borehole 11 there were exceedances in Turbidity, TDS, Ca, Total Alkalinity, Manganese, Total Hardness and Total Coliform Bacteria.</p> <p>This presents a water-related challenge that would be a threat to good water quality status. An indication of annual and seasonal, high and low variances was not seen as only one month's data was provided.</p>
Corrective action:	<p>This is important step of gathering water related data for the site. Coca-Cola India Pvt. Ltd (CC IPL) has now presented the summary of source water quality in the site and the catchment. For ground water extraction permit, we conduct water analysis, before and after Monsoon from all three Borewells and we have those reports on file. As per this finding we have presented the seasonal fluctuation of water quality in the onsite borewell for the last five years (Pre-monsoon & Post-monsoon). Here after such quality data will be tabulated in excel format and graphically presented for quick identification of trends and issues. Periodic analysis of source water for basic parameters will be also conducted in inhouse laboratory and data will be gathered for knowing changes in source water quality.</p>

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Evidence of implementation: Facility is providing water quality results of boreholes of 8 & 10 for last five years showing annual/seasonal high low variances as required by finding. Borehole number 11 is dry and not in use. Since this window is not able to show graphs/charts/ tables, we are attaching complete response in attached file named as "Coke_Pune_AWS_Response 1.3.4" Also another four supporting files of information are attached herewith.

Attachment 9 -Borewell analysis reports (2018-2022)

Attachment 10-Waste water analysis report (2018-2022)

Attachment 14- In-house laboratory source water analysis reports

Attachment 15- In-house laboratory treated raw water analysis reports.

Please find detailed response below.

Referring to our discussions in earlier indicators, the facility is not drawing any water from rivers, lakes, municipal supplies or weirs and dams. Similarly, treated wastewater is not discharged into any public drains or natural streams. Hence the risk of surface water quality on facility operations is insignificant. Similarly, the risks due to the discharge of treated wastewater on the natural streams and river water quality are also not envisaged. Hence the negative impacts of facility operations on the regional water quality are insignificant. The quality of the groundwater at the site (borewell water) is within the prescribed norms, however, borewell water is subjected to chlorination and further treated in Reverse Osmosis unit and supplied for manufacturing, drinking and other domestic applications.

Facility has been monitoring the groundwater quality at the site on half yearly basis and the TDS levels during the pre-monsoon and post-monsoon seasons are recorded to be in the order of approximately 900 mg/l and 550 mg/l respectively. This aspect clearly shows that there are no water quality-related challenges at the site in terms of physical, chemical parameters.

Facility has been monitoring the biological parameters on half yearly basis in the on-site borewells. It has been noted that Total coliform presence was detected in the ground water and the counts were decreasing over years (showing improved trends). The latest test report (Dec 2022 of Borewell 8 & 10) indicates absence of Total coliform, gives indication of insignificant water quality related challenges in terms of biological parameter as well.

CCIPL will continue to monitor the groundwater quality at the site and also it is proposed to monitor the groundwater quality at the nearby villages like Pirangut, Ambegaon, Urawade, Balkavdewasti, and Nankarwadi, Urawade lake etc , based on arrangement and access.

To support this corrective action, facility is providing summary of test results of following;

1. 2018 data of on-site borewells, catchment level sample & CGWB data.
2. Five years data of Pre & Post Monsoon samples taken from on-site borewells
3. Treated raw water test data of in-house lab from Jan 2022
4. Source water analysis started after AWS Audit from Jan 2023
5. Five years analysis data of treated Wastewater

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1. 2018 data of on-site borewells, catchment level sample & CGWB data.

Table in the attached response file is showing Borewell water quality parameters, catchment level ground water quality parameters and Central Ground water board (Government agency) published reports.

2. Five years data of Pre & Post Monsoon samples taken from on-site borewells

The facility also monitors the water quality in the onsite borewells twice a year through NABL, MoEF&CC & CPCB approved laboratory. The trend/charts of the critical water quality parameters for the last 5 years were presented in the attached response file. The test reports of the same were attached as attachment-9.

3. Treated raw water test data of in-house lab from Jan 2022
CCIPL has already developed in-house pre-treatment facilities for groundwater to meet the process and WASH water quality requirements, however, the marginal increase in TDS levels in the groundwater during the pre-monsoon period may increase the pre-treatment costs such as raw water RO operations. CCIPL has developed robust pre-treatment standard operating procedures and the operators are very well-trained. CCIPL has adopted weekly testing of treated raw water for Coliform count as per the Good Management Practices (GMP). Treated raw water test quality reports are attached as Attachment-15

4. Source water analysis started after AWS Audit from Jan 2023 and data is attached in the response file.

5. Five years analysis data of treated Wastewater
Treated Wastewater Quality:

Treated wastewater quality is daily monitored in the in-house laboratory for quality checks. Also one sample in a month is tested through an NABL, MoEF&CC and CPCB approved laboratory. The trend of the wastewater quality since 2018 is presented in the attached response file.

It is noted from the attached trends in the response file, the treated wastewater quality has never exceeded the standard limit. Also with the best of treatment technology adopted the critical parameters such as TDS, COD & Chloride are well far below the limits. Laboratory test reports of the wastewater quality is presented in Attachment 10.

From review of above reports, facility is aware of TDS, Total Alkalinity, Total Hardness, and Total Coliform Bacteria trends decreasing over a period. Water quality-related challenges are becoming insignificant over the years. Facility will monitor and take appropriate corrective actions based on the such data to meet good water quality status

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Finding No:	TNR-002979
Checklist Item No:	1.3.5
Status:	Open
Finding level:	Observation
Checklist item:	Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.
Findings:	Accidental leakage of hydraulic oil from village is not accounted as potential source of pollution in the hazard shown in attachment 9.
Finding No:	TNR-002985
Checklist Item No:	1.3.8
Status:	Open
Finding level:	Observation
Checklist item:	Levels of access and adequacy of WASH at the site shall be identified.
Findings:	No special provisions for a physically challenged person is available in the plant although at present no such category of workers are employed.
Finding No:	TNR-002993
Checklist Item No:	1.5.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.
Findings:	<p>The MPCB for wastewater discharge / reuse permit provided was valid up to 31/08/2022. It is unclear if this was renewed.</p> <p>The site has also provided various policy, Acts & Rules on page 4 of the attachment 'Att_17_Water_Governance (2)' but the requirements in each were not clear. There was no evidence provided for legally defined and/or stakeholder-verified customary water rights.</p>
Corrective action:	<p>CC IPL has received renewed Consent to Operate from MPCB which is valid till 31.08.2025 and same is attached in the evidence.</p> <p>On page number 4, there are total 6 Policies, Acts & Rules are provided which are general list of policies, acts & Rules which are applicable to catchment for water governance. As per finding we will define requirement in each policy for clarification and document to demonstrate customary water rights defined by local legal framework before next surveillance audit.</p>

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Finding No:	TNR-002990
Checklist Item No:	1.5.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.
Findings:	<p>The catchment water balance for surface and ground water was provided. No scarcity is envisaged for ground water.</p> <p>The evidence however did not show annual or seasonal variance. It was also not clear which year the data was from.</p>
Corrective action:	<p>Extract from the SVA 2018 and the published data from CGWB will be presented to show the seasonal variation in the catchment water level and water quality data.</p> <p>Based on the published CGWB data the Mulshi Taluka ground water status for 2011, 2013, 2017 & 2020 will be presented.</p> <p>Catchment water balance will be updated in 2023 with the available data sources.</p> <p>As a part of the water stewardship plan, CCIPL is planning to identify the locations within the catchment for periodic monitoring of water level and water quality. CCIPL will present the same during the next annual surveillance audit.</p>

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Finding No:	TNR-002992
Checklist Item No:	1.5.4
Status:	Closed
Finding level:	Major
Due date:	2023-Apr-20
Checklist item:	Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.
Findings:	<p>The attachment 'Att_17_Water_Governance (2)', did not indicate water quality of the catchment, including physical, chemical, and biological status.</p> <p>The site's raw water quality results in the attachment 'Att_8a_Raw_water_test_reports' shows that TDS, Total Alkalinity, Total Hardness and Total Coliform bacteria were all detected in raw water therefore can be considered a potential threat to good water quality status for domestic consumption in which case seasonal, high and low variances needed to be identified.</p>
Corrective action:	<p>As per expectation of AWS standard, facility is aware of source water quality status in the catchment. Site is monitoring water quality of onsite borewell regularly and using source water only after proper treatment meeting the water quality standards.</p> <p>CC IPL will now present the summary of the water quality data of onsite borewells and the seasonal variation of water quality in the onsite borewell for the last five years (Pre-monsoon & Post-monsoon).</p> <p>For the catchment, CC IPL will be presenting primary water quality data collected as part of SVA study undertaken in 2018 and also water quality data from CGWB will be presented for the year 2018.</p> <p>As part of Water Stewardship Plan, CC IPL will identify the locations within the catchment for periodic monitoring of water level and water quality and present the same during the next annual surveillance audit.</p>

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Evidence of implementation: Facility is monitoring ground water quality at the site Pre & Post Monsoon every year. Good water quality status for domestic consumption with seasonal High Low variances are identified and presented with trend analysis in the attached detailed response of evidence of implementation. For detailed response refer attached file named as "Coke_Pune_AWS_Response 1.5.4"

For the catchment, CCIPL has presented in annexure 9 of SVA 2018 report (refer page no 135 to 137 of SVA 2018). After AWS Audit finding facility is proposing to monitor the groundwater quality in the catchment of nearby villages like Pirangut, Ambarwet, Uravade, Maranewadi and Botarwadi, Uravade etc. lake twice a year for parameters inline to ISO 10500 standard. Catchment water quality data for the above-mentioned villages will be monitored by CCIPL for the current year and same will be presented during the next surveillance audit. Please find detailed response below.

Referring to the discussions presented under Indicator 1.3.4, groundwater quality is within the permissible limit and it can be further noted that the water quality during the post-monsoon season has increased many folds due to a good amount of rainfall and groundwater recharge in the area. According to CGWB data and also according to the State Water Resources Department, Mulshi taluka falls under the safe groundwater zone.

CC IPL has already developed in-house pre-treatment facilities for groundwater to meet the process and WASH water quality requirements, however, the marginal increase in TDS levels in the groundwater during the pre-monsoon period may increase the pre-treatment costs such as raw water Reverse Osmosis operations. CCIPL has developed robust pre-treatment standard operating procedures and the operators are trained. CCIPL has adopted weekly testing of treated raw water for Coliform count as per the Good Management Practices (GMP). As a part of the Factories Act requirement, CCIPL is periodically monitoring pathogens in the drinking water after Reverse Osmosis treatment to ensure safe drinking water for employees and workers. Periodical Legionella monitored in the cooling tower feed water samples has been adopted and the absence of pathogens and Legionella shows that the water quality management within the facility is acceptable.

Facility has been monitoring the groundwater quality at the site twice a year and the TDS levels during the pre-monsoon and post-monsoon seasons are recorded to be in the order of approximately 900 mg/l and 550 mg/l respectively. This aspect clearly shows that there are no water quality-related challenges at the site. Please find the last five years data of Pre & Post Monsoon samples taken from on-site borewells

The facility also monitors the water quality in the onsite borewells twice a year through NABL, MoEF&CC & CPCB approved laboratory. The trend of the critical water quality parameters for the last 5 years were presented below. The test reports of the same were attached as attachment-9.

It has been observed from the charts attached in the response file of Pre-Monsoon & Post-Monsoon data of Borewell 8 & 10 that, the water quality in the borewell has improved over a years. Total coliform content was found to be absent in the 2022 test results.

CC IPL will continue to monitor the groundwater quality at the site and

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also it is proposed to monitor the groundwater quality at the nearby villages like Pirangut, Ambarwet, Uravade, Maranewadi and Botarwadi, Uravade etc. lake twice a year for parameters inline to ISO 10500 standard. Catchment water quality data for the above-mentioned villages will be monitored by CCIPL for the current year and same will be presented during the next surveillance audit.

The facility also monitors the water quality in the onsite borewells twice a year through NABL, MoEF&CC & CPCB approved laboratory.

Nitrates, Phosphates, Fluoride, and TDS in the surface water (lakes and rivers) are considered for water quality indicators.

Groundwater is the primary source of drinking water in the catchment, while a portion of catchment receives water from the surface water bodies. Part of Pirangut town receives piped water supply from surface water bodies. No raw water treatment and sewage treatment facilities are present in Pirangut town. Apart from river water, groundwater is also utilized by the settlements and commercial establishments at Pirangut town. Sewage from these towns are managed through septic tank cum soak pits and portion of it is joining the Mulshi River. The industries located in the Pirangut area are sourcing the water from the common water supply pipeline from surface waterbodies (dam & lake) and also groundwater.

The opportunities identified by CCIPL are to coordinate with Pirangut town administration, major industries located at Pirangut, local administration, and NGOs to adopt various water stewardship activities such as water quality monitoring, promoting SWATCHHBHARAT (National Village cleaning program driven by Government of India) schemes for effective community waste management, sanitation facilities, nature-based methods for sewage treatment at major settlements will help to improve

As part of Water Stewardship Plan, CCIPL will identify the locations within the catchment for periodic monitoring of water level and water quality and present the same during the next annual surveillance audit.

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Finding No:	TNR-002880
Checklist Item No:	1.5.6
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.
Findings:	No evidence was provided to show that existing and planned water-related infrastructure was identified, including condition and potential exposure to extreme events.
Corrective action:	The existing emergency response plan was updated with the water-related risk and water-related infrastructure conditions. Also, CCIPL has identified the public infrastructure in the catchment based on the published data and will also make efforts to collect data for any reoccurring problems, risks, policy upgrade or risk mitigation of extreme events in the catchment.

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Evidence of implementation: NOTE: Since this window is not allowing to copy tables, refer detailed response in attached file named as "Coke_Pune_AWS_Response 1.5.6"

As indicated earlier, the only source of water for the facility is groundwater. Hence the municipal infrastructure or water supply pipelines are not connected to the facility. The risks associated with water supply disruptions, if any are limited to only the borewell pump and motors. Three borewells are installed at the facility, out of which only two borewells are in regular operation. The borewells are constructed with MS pipe of size 150 mm diameter as per IS Code 2800 with a motor capacity of 5HP each. Three Piezometers are installed in the facility with DCS arrangement. Water from the borewells further passed through ACF and MGF followed by an online chlorine dosing for removal of any residual pathogen contamination. Water is further stored in 2x500 KL storage tanks and is sent to the main plant for further treatment and use. Wastewater is treated in the ETP and STP located at the facility and no public utility ETP/STPs are utilized. Hence the water-related infrastructure issues are not envisaged.

Groundwater is the primary source of drinking water in the catchment, while a portion of catchment receives water from the surface water bodies. Part of Pirangut town receives piped water supply from surface water bodies. No raw water treatment and sewage treatment facilities are present in Pirangut town. Apart from river water, groundwater is also utilized by the settlements and commercial establishments at Pirangut town. Sewage from these towns are managed through septic tank cum soak pits and portion of it is joining the Mulshi River. The industries located in the Pirangut area are sourcing the water from the common water supply pipeline from surface waterbodies (dam & lake) and also groundwater.

As per the national disaster management report, the area falls under seismic zone III (safe dams), no major cycles are reported during the past 50 years, no flood incidence are reported in the past 25 years and no land-slide effecting zones are present in the catchment.

The shared water resource for the CCIPL and the community is groundwater. As per CGWB report, the groundwater status is defined as Safe zone. No major groundwater drawl projects are existing in the catchment area. This means, only individual households or establishments are drawing groundwater.

Based on the published data from ministry of Jal shakti under Jal Jeevan mission, the following catchment level information were collected and evaluated part of the water stewardship program

CC IPL is committed to adopting the following stewardship program:

- (1) Borewell monitoring at the site -yield and drawdown on daily basis
- (2) Borewell monitoring at the site- Water level below ground on weekly basis
- (3) Borewell monitoring at the site- mechanical integrity of the installation once in five years or earlier if required
- (4) Collecting and understanding the regional groundwater status based on the data published by relevant authorities from time to time, and
- (5) Periodically conducting community-level surveys related to infrastructure status/challenges.

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CC IPL has also identified the water-related infrastructure in the emergency response plan. The updated emergency response plan is attached as attachment 19 (See page number 10 of attachment 19). For quick reference providing summary of Emergency response plan content; preparedness for all probable types of events like Fire, Flood, Earthquake, Drought etc. and its potential exposure to Water related Infrastructure like Borewells, Pipelines, Storage Tanks, Waste Water treatment Plant, Sewage Treatment Plant, Rain water harvesting structures. From above, fire event will not impact to the water related infrastructure, unless these infrastructures are under fire. But, Earthquake and flood can damage all above identified water related infrastructures. In draught situation, pipelines and concrete water tanks may damage due to heat and dryness. Fortunately these situations are very very rare situation for the facility. Refer attachment 19.

Finding No:	TNR-003001
Checklist Item No:	1.6.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Shared water challenges shall be identified and prioritized from the information gathered.
Findings:	The site identified shared water challenges however these were not prioritized.
Corrective action:	Now CC IPL has updated the identified shared water challenges by categorising them in to risk and urgency. The risks/opportunities are then covered in to 5 scale ranking system and priority areas are identified. Same will be submitted for consideration.

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Audit Number: AO-000464

Finding No:	TNR-003007
Checklist Item No:	1.7.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.
Findings:	The site evidence does not meet the requirement of water risks faced by the site and did not clearly outline potential costs and business impact.
Corrective action:	The site has further evaluated the risk in line with the AWS 1.7.1 requirement and international non-financial disclosure. CCIPL will be categorized the risk and estimated the potential cost for each risk and will be presented the same to close this finding.

Audit Number: AO-000464

Evidence of implementation: According to the international non-financial reporting framework (TCFD-WATER and SBTi etc), two types of water risks are analyzed: 1. Physical risks and 2. Transitional risks. Each of these two risks are further grouped into three categories such as water availability, water supply, and water quality. The time zones for the risks are short-term, mid-term, and long-term. Further water-related risks can affect financial performance (Profits and revenue), and financial Position (stranded assets due to water risk).

Physical risks (Availability, Supply and quality):

Water availability: Based on the published data and also interactions with the site team, it was noted that the area doesn't experience floods and extreme weather events, however, due to the changes in precipitation patterns, minor droughts were reported in 2013 and 2018. Due to the presence of adequate groundwater and Mulshi dam (~20 Km from the facility), stress on irrigation needs was less, in the catchment area. However, the shortage of safe drinking water during the drought periods is a major concern in the Pune district, but due to the safe aquifer status, water risks in the catchment area are very low. As per the Water Risk Filter, the water risk scenario for 2030 based on the current climate action scenario (2.5 Deg Pathway), the region would fall under moderate water risk area. By adopting an adequate watershed governance mechanism, water risk in this region can be avoided. The state watershed development Authority (Vasundara) is already working on several programs in the Pune district.

Water supply risk: The water supply line from surface water to Pune is passing through the Pirangut area. Water is supplied to Pirangut by installing a local intake well on the Mula River and Uravadi lakes. Maharashtra Supply and sanitation department, Government of Maharashtra are proactively working on various water supply infrastructure-related projects in the Pune district. Groundwater wells are periodically monitored and no interruption of groundwater pumps has been observed during the past 5 years. Most of the villages are also equipped with local borewells and water storage tank facilities to supply water to villages. Hence water supply-related risks are not envisaged in the region due to proactive measures by Government of Maharashtra.

Water Quality Risk: As stated in indicator 1.3.4 & 1.3.5, groundwater quality during the post-monsoon season is well within the drinking water standards in terms of physiochemical parameters, whereas the presence of Total Coliform in the groundwater will be a seasonal phenomenon. The last borewell test reports (Attachment 15) indicate the absence of Total Coliform. As a part of the stewardship program, Total Coliform will be measured periodically in the nearby village borewells and result of the same will be presented in next surveillance audit.

Transitional risk (Regulatory risk) – The Ministry of Jal Sakti was formed in 2018 and comprehensive guidelines on "Regulate and Control groundwater extraction in India". The facility has been accorded permitted under these guidelines. According to these guidelines, the ministry will be promulgating environmental extraction charges and also environmental compensation charges for the drawl of water in the order of Rs. 12 to 30 per KL depending on the quantity of water drawl. These regulations may come into effect in the next couple of years.

The potential cost of Physical risk: Pre-treatment cost due to possible increase in TDS levels in groundwater will be in the order of Rs. 2 to 3/- for every 100ppm of TDS increase in the RO feedwater. Chlorination,

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Sand/ Carbon filtration and UV treatment of bore well water is already in place to manufacture process water (Drinking & product water).An OPEX of Rs.16 per m3 has been already accounted in the existing operations. The water stewardship plan has been updated considering the above indications and the potential cost with business opportunities. For each of the risk and opportunities identified in the water stewardship plan were listed in the Attachment 18.

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Finding No:	TNR-003008
Checklist Item No:	1.7.2
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.
Findings:	The site evidence lists potential projects as identified opportunities, but it did not provide detail on how the site may participate, assessment and prioritization of potential savings, and business opportunities.
Corrective action:	In addition to the summary of risk with potential business cost in Indicator 1.7.1, the site will be indicated the potential opportunities action plan, and the method of engagement with various stakeholders. The same will be updated in the water stewardship plan as well.
Evidence of implementation:	NOTE: Since this window is not allowing to copy tables, refer detailed response in attached file named as "Coke_Pune_AWS_Response 1.7.2"

By adopting the following measures, the site will achieve sustainable water security status and thereby ensuring business continuity. Improved catchment water quality yields reduced pre-treatment costs in the facility and also overall people's health status in the communities, Climate resilient farming practices will help communities to get assured livelihood even during the worst case scenarios (drought period).

The water stewardship plan has been updated considering the above indications and the potential cost with business opportunities. For each of the risk and opportunities identified in the water stewardship plan are listed in the Attachment 18

Facility has identified various on-site projects like Additional Water meters installation, Periodic water Audit, Tanker water source will be kept ready for use, Glide Path (Water use efficiency), periodic water testing, Relocating borewell number 11 after regulatory clearance. While there are many Off-site projects proposed and site will participate in Awareness session on farming practices to the farmers (drip irrigation, sprinkler, use of fertilizers etc.), Interaction with regulators for identification of projects in the catchment, Identification of Monitoring locations within the catchment for water level measurement during pre-monsoon & Post-monsoon, Awareness session on waste management in the villages within the catchment, Clean up of stream near Pirangut and placing of No litter Board, Water quality monitoring in the catchment during pre-monsoon & Post-monsoon, Exploring the possibility of providing sanitation facilities in the villages in discussion with authorities. These projects are assessed, prioritized and potential savings and business opportunities are identified of these projects. Same are mentioned in attachment 18 (Water Stewardship Plan)

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Audit Number: AO-000464

Finding No:	TNR-003354
Checklist Item No:	1.8.1
Status:	Open
Finding level:	Observation
Checklist item:	Relevant catchment best practice for water governance shall be identified.
Findings:	The evidence provided was site specific. The site did not provide evidence of catchment best practice for water governance through collaboration with stakeholders in the catchment.
Finding No:	TNR-003356
Checklist Item No:	1.8.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.
Findings:	Catchment best practice for water quality was not identified especially regarding Total Coliform contamination found in raw drinking water.
Corrective action:	Based on the latest census data, the coverage of the treated drinking water supply in villages within the catchment will be identified and presented. CCIPL will also make efforts to further collect details regarding the treatment systems available in the villages to provide safe drinking water (if available) Also, CCIPL will identify an opportunity as part of the water stewardship plan to monitor the water quality in the catchment periodically and provide the same to the concerned authorities for a further collaborative approach. CCIPL will list out the best practices adopted at the site for managing the raw water quality and treated wastewater quality. Details of the same will be provided in the next surveillance audit.

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Audit Number: AO-000464

Finding No:	TNR-003016
Checklist Item No:	1.8.4
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.
Findings:	Periodic inspection of Bore well, Piezometric wells & RWH structures as per permit requirements does not meet the requirement as best practice for site maintenance of Important Water-Related Areas.
Corrective action:	Plant has borewells, piezometers, RWH structures are IWRA on-site. Borewell head / piezometer are having concrete foundation, head sealing to prevent entry of foreign material, separate FRP cabin and its access control, daily inspection and cleaning is done. RWH structures are covered, having proper fence/ railing, periodic cleaning of pits, inspection of incoming pipes etc is are place. Wastewater treatment has their own cleaning and maintenance program including tank integrity verification which is over and above the requirements and detail explanation of those best practices adopted for maintaining the health of Important Water-Related areas will be presented. These best practices will be documented in detail and will be provided as evidence to close this finding. Also CCIPL would like to highlight that these are all minimum practices should be followed by all the facilities of The Coca-Cola Company as a part of KORE requirement.

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Audit Number: AO-000464

Finding No:	TNR-003021
Checklist Item No:	1.8.5
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.
Findings:	Best practice for water quality was not identified especially regarding Total Coliform contamination found in raw drinking water.
Corrective action:	CC IPL has multibarrier treatment approach for water filtration consisting of chlorination, Membrane filtration followed by UV treatment before use. CC IPL has developed in-house pre-treatment facilities for groundwater to meet the process and WASH water quality requirements. CC IPL has developed robust pre-treatment standard operating procedures and the operators are trained. CC IPL has adopted weekly testing of treated raw water for Coliform count as per the Good Management Practices (GMP). As a part of the Factories Act requirement, CC IPL is periodically monitoring pathogens in the drinking water after RO treatment to ensure safe drinking water for employees and workers. Periodical Legionella monitored in the cooling tower feed water samples has been adopted and the absence of pathogens and Legionella shows that the water quality management within the facility is acceptable. Detailed practices adopted will be provided in stewardship plan during the next surveillance audit.

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Finding No:	TNR-003022
Checklist Item No:	2.2.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	The system to maintain compliance obligations for water and wastewater management shall be identified, including: - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies.
Findings:	The site evidence does not provide Identification of responsible persons/positions within facility organizational structure responsible to maintain compliance obligations for water and wastewater management.
Corrective action:	CC IPL has well defined responsibility and management infrastructure for compliance obligations for water and wastewater management. CC IPL has organogram functional designations, but employees are identified for this compliance. Plant head , QSE Manager & Associate Manager Safety and Environment are primarily holding responsibility o maintain compliance obligations for water and wastewater management as per hierarchy. Eventually HR manager, Engineering manager, Lab manager, Production Manager, Microbiologist are also supporting water and wastewater management. We will give detailed explanation of the internal organizational structure and the responsibility of the water management team in terms of legal and statutory compliance.

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Evidence of implementation: Applicable regulations

- Groundwater extraction permits by CGWB as per the Ministry of Jal Sakthi Notification – Necessary permits shall be obtained based on the status of groundwater in the specific zone. Online water flow meters shall be installed on the borewell, annual water audit submission, water quality monitoring, and rainwater harvesting.
- Consent under Water (Prevention and Control of Pollution) Act 1994 – Periodical renewal from state pollution control board for discharge of treated wastewater and periodical testing of wastewater. Submission of annual returns.
- Hazardous and Other Wastes (Management and transboundary movement) Rules 2016 - Waste disposal authorization, safe handling and storage of notified hazardous wastes and to ensure the protection of water bodies and groundwater not getting contaminated.

Mechanism of implementation:

- Digital regulatory compliance tracking tool in operation. Relevant stakeholders are mapped as per the responsibilities for raising the request, implementation, internal audit, management review, and corrective and prevention plan implementation as per ISO 14001:2015 standards,
- Associate manager Safety & Environment is primarily responsible for the implementation of the programs,
- Associate manager Safety & Environment reports to QSE manager, who in turn reports to the plant head.
- The plant head reviews the overall performance in the monthly management review and provides the necessary support,
- The plant head is ultimately responsible for all legal outcomes of the regulatory non-compliance aspects, if any

CC IPL organogram identifying the responsible person/position is shown in Attachment-12.

ISO 14001:2015 certification is shown in Attachment-13.

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Finding No:	TNR-003023
Checklist Item No:	2.3.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.
Findings:	The evidence provided does not fulfil the requirement for a water stewardship strategy that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.
Corrective action:	Inline to the TCCCs global sustainability commitment, CCIPL has formulated the overarching mission, vision and goals. Also the water policy of CCIPL specifically address the community water rights. The same will be presented as a part of corrective action.

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Evidence of implementation: Commercial Product Supply (CPS) Concentrate & Beverage manufacturing of The Coca Cola Company has its Water Stewardship Policy with the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard. Please find below Water Stewardship Policy

CPS Water Stewardship policy

Water is a key ingredient in our products, essential to our manufacturing processes and central to the long-term success of our business and the health of our communities. It is necessary that we ensure water quality, as per our food safety standards, but also sustainable water security.

Vision:

Several of our operations are located in areas where water resources are affected by over exploitation, poor water management and the impacts of climate change. We need to handle water with the care that it deserves to ensure a sustainable supply of water. For that reason, we are working to reduce the amount of water we use in our operations, but also to regenerate and preserve water use, in order to protect local water sources for future generations, working with key stakeholders to address the issue of water management at a local level.

More precisely, we aim to (Goals):

- Improve water efficiency in our manufacturing sites by 20% by 2030 (compared to a 2015 baseline).
- Replenish 100% of the water we use in areas of water stress (also called "water leadership locations") by 2030, through community based partnerships.
- Certified each of our manufacturing sites per the Alliance for Water Stewardship (AWS) standard by 2025.

We use the AWS principles as common requirements for our operations and its defined physical scope, seeking greater impact against the following shared challenges (Mission):

- Good water governance;
- Sustainable water balance;
- Good water quality status;
- Important water related areas;
- Safe Water, Sanitation and Hygiene for All (WASH) - to improve water access and sanitation for workers in our system and suppliers, and for the communities in which we operate.

Our Action on Water helps to support UN Sustainable Development Goal 6 on Clean Water and Sanitation.

We have a responsibility to respect and protect water resources.

<https://www.coca-colacompany.com/sustainable-business/water-stewardship>

Community Rights in water policy

As per The Coca-Cola Company commitment, all our operations are audited through the Workplace Rights Policy standard.

We recognize that we are part of the communities in which we operate. We engage with communities on human rights matters that are important to them such as land rights, access to water and health. We also engage with people in those communities, including indigenous peoples as well as other vulnerable and disadvantaged groups. Our aim

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is to ensure through dialogue that we are listening to, learning from and considering their views as we conduct our business. We believe that local issues are most appropriately addressed at the local level.

<https://www.coca-colacompany.com/policies-and-practices/human-rights-principles>

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Finding No:	TNR-003026
Checklist Item No:	2.3.2
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	A water stewardship plan shall be identified, including for each target: <ul style="list-style-type: none">- How it will be measured and monitored- Actions to achieve and maintain (or exceed) it- Planned timeframes to achieve it- Financial budgets allocated for actions- Positions of persons responsible for actions and achieving targets- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.
Findings:	The Water Stewardship Plan provided did not meet the following requirements: <ul style="list-style-type: none">- How each target will be measured and monitored- the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.
Corrective action:	The water stewardship plan will be created by identifying risks and opportunities and include due consideration of the five AWS Outcomes as per the requirement. CC IPL has updated the water stewardship plan with the monitoring indicators (KPIs) for each of the projects with the time frame indication of short (i.e., next two years) and long term (three to five years). Also water stewardship plan has a clear indication of the responsible person for onsite projects and potential stakeholders collaboration for offsite projects. Financial budget for each of the projects will be identified. AWS outcomes will be linked for each of the project category.

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Evidence of implementation: **Water Leadership**

More than a decade ago, we set a pioneering goal to replenish the water we use in our drinks and their production, consume water more efficiently and treat all wastewater in our waste water treatment plant. Through our strategy of 'Reduce, Recycle and Replenish', not only did we exceed our 2020 replenish goal, but also set a leading example in shared water management inside and outside our operations.

In 2020, we launched our new 2030 water strategy, that recognizes the urgency of our growing shared water challenges and the interconnection of water and other priority goals. The strategic framework focuses on reducing shared water challenges, improving health of priority watersheds, and enhancing community water resilience and is closely aligned with our existing initiatives and vision to increase water security where we operate, source ingredients and touch people's lives by improving water availability, quality, access and governance.

We consider water security as a shared responsibility and constantly strive to drive a company culture that treats water as a critical resource at the heart of our business. With interventions spanning over a decade, Anandana - The Coca-Cola India Foundation, and our bottling partners have successfully deployed innovative water stewardship strategies for sustainable development and inclusive growth in rural India, to contribute towards socio-economic upliftment of communities at large.

CCIPL, Pune concentrate plant has formulated a water stewardship plan inline to the Alliance for water stewardship standard aligning to the global CCIPL sustainability standard inline 2030 water security strategy.

Updated Water stewardship plan has been provided as attachment 18.

Water stewardship plan has been formulated with the monitoring indicators (KPIs) for each of the projects with the time frame indication of short (i.e., next two years) and long term (three to five years). Few projects will be a continuous process every year such as water quality monitoring & water level monitoring.

Also water stewardship plan has clear indication of the responsible person for onsite projects and potential stakeholders collaboration for offsite projects. Financial budget for each of the projects were also identified. AWS outcomes were also linked for each of the project category.

Additional Information: We would like to inform you on some projects which Coca-Cola has implemented in the recent past.

Empowering Civil Society (2018)– Coca Cola has partnered with Sampurn(e)arth Environment Solutions Pvt. Ltd. and Vanarai, a not-for-profit organization, for implementing a project on sustainable solid waste management system in the Pirangut village in Pune where we operate. The project aims to build capacity and to strengthen the existing local government machineries driven by sensitization of people on pro-active waste segregation and disposal practices. Few photographs are attached for your reference. See Attachment-5.

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Clean Shores Program, Mumbai – Coca Cola has partnered with United Way Mumbai and Greater Mumbai Municipal Corporation on a mass citizen engagement project related to cleaning beaches and marine ecosystems in Mumbai.

SMS Mission Recycling (2011) – Building on the Support My School's (SMS) journey of 7+ years to revitalize 1,000+ government schools, SMS Mission Recycling was launched in association with Plan International (India Chapter) and American India Foundation (AIF) to generate awareness and make solid waste management and PET recycling a way of life. This child centric approach will attempt to impart knowledge, change behavior and practices at the community level. In the first phase in Maharashtra 17 schools will be enrolled and approximately 7,000 children will be trained.

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Audit Number: AO-000464

Finding No:	TNR-003030
Checklist Item No:	2.4.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.
Findings:	A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies was not identified.
Corrective action:	The site has already submitted an intent letter to the village panchayat and Watershed authority indicating the intent of the site in the collaborative approach of water risk mitigation. CCIPL will provide a detailed explanation of its discussion with various public sector agencies and its submissions. Also, it is intended to discuss with the other agencies or authorities in the catchment which will help increasing engagement as expected by standard.

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Evidence of implementation: NOTE: Since this window is not allowing to copy tables, refer detailed response in attached file named as "Coke_Pune_AWS_Response 2.4.1"

As indicated earlier in Indicator 1.1.1, the only source of water for the facility is groundwater. Hence the municipal infrastructure or water supply pipelines are not connected to the facility. The risks associated with water supply disruptions, if any are limited to only the borewell pump and motors. Three borewells are installed at the facility, out of which only two borewells are in regular operation.

Necessary permissions from competent authority (Central Groundwater Board) were obtained for ground water abstraction. Latest valid NOC from Central Groundwater Authority is shown in Attachment-4. The piezometer located within the facility and submits the annual submission of water quantity extraction details and water quality test reports. Latest test reports are provided in attachment 9.

Water drawl charges @ Rs. 6.19 per KL have been paid to Central Groundwater Authority. As indicated earlier, water is not sourced from municipal water supply lines or from any water reservoir or dam or river. Also facility has approached the town panchayat of Pirangut and obtained written confirmation about the water extraction of the facility, which will is provided in the attachment 24. With this, local body is giving us No Objection certificate (NOC) for extraction of ground water and this is the documented evidence for engagement and co-ordination with local body/ stakeholder.

The borewells are constructed with MS pipe of size 150 mm diameter as per IS Code 2800 with a motor capacity of 5HP each. Three Piezometers are installed in the facility with DCS arrangement. Water from the borewells further passed through ACF and MGF followed by an online chlorine dosing for removal of any residual pathogen contamination. Water is further stored in 2x500 KL storage tanks and is sent to the main plant for further treatment and use. All the borewells are fitted with flow meters.

The facility has an approval for the generation of 90KLD trade effluent and 20KLD domestic sewage. Facility has obtained valid permission (Consent to Operate) for treating effluent and domestic sewage (See attachment 16). Approximately 30-40 KL of wastewater is generated from the facility and the same is treated in a dedicated industrial wastewater treatment facility. Similarly 5-8 KL of domestic wastewater is generated and is treated in a dedicated sewage treatment facility. A dedicated wastewater treatment facility (ETP) of a capacity 150KLD and a sewage treatment facility (STP) of a capacity 20KLD are available within the facility.

Treated wastewater and sewage are utilized for horticulture activities and toilet flushing within the facility. Therefore, no wastewater is discharged outside the premise. Public infrastructure is NOT used for treating and disposing of treated wastewater. Due to the recycling of wastewater within the facility, wastewater discharge into any natural water bodies and streams is not practiced.

The facility submits annual report in the form of Environmental Statement (Form-V) to Maharashtra Pollution Control Board (MPCB) every year. As part of this submission, the facility indicates the quantum of raw water used, quantum of waste water generated and treated, with

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the water quality reports.

Facility is also conducting Product water analysis as per IS 10500, to meet the Food Safety Standards Authority of India (FSSAI) requirement.

As part of the water stewardship plan, CCIPL has committed to monitor the water level and water quality in the identified villages within the catchment and will submit the same to the public sector agencies and infrastructure agencies every year.

Based on the published data from Ministry of Jalshakti (Government agency) under Jal Jeevan mission the catchment level public infrastructures such as individual household connections, infrastructure in schools/ Balvadi/ Anganvadi (English meaning is Pre-School), water source in the villages were identified

It has been noted from the above data that an average of 70% of the Households in the catchment have individual household tap connections and service level varies from 15lpcd to 35lpcd. Of all the villages Kasar Amboli has the lowest household connections followed by Belawade.

Also, CCIPL has submit an intent letter to the Village panchayat indicating the intention of water stewardship plan of the facility and its interest to collaboration on projects implementation.

The intent letter sent by the facility to village panchayat Attachment 21 and Vasundra (Government agency) is presented in Attachment-20.

The facility will make efforts to interact with the block development officer of Mulshi Taluk, to communicate the data generated as part of the water stewardship program and also the potential projects that CCIPL can collaborate with the agency. The same will be submitted as part of the annual surveillance audit.

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Finding No:	TNR-003035
Checklist Item No:	3.1.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Evidence that the site has supported good catchment governance shall be identified.
Findings:	Client did not provide evidence to show that the site has supported good catchment governance.
Corrective action:	In addition to the various programs undertaken in the past by The Coca Cola Company, the site has also undertaken an awareness session in December 2022 along with the NGO partner in the Urawade village on waste management and integrated farming. As part of this program, CCIPL has engaged with the village panchayat of Urawade village along with NGO partner. The details of the program along with various communication at the beginning of the program and after completion of the program to village panchayat and other stakeholders will be provided.

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Evidence of implementation: As identified in the water stewardship plan, CCIPL has undertaken the awareness program on waste management and water conservation through an NGO partner (INORA Biotech Pvt Ltd.) along with other stakeholders such as village panchayat & local schools.

The program was attended by 250 villagers consisting of people from all age groups with approximately equal male-to-female ratio. One of the intents of the program was also to inform the villagers about the problems identified in the village as part of the water stewardship plan of CCIPLs related to water scarcity and water quality. This is part of the stakeholder consensus on the issues identified in the water stewardship plan for that particular village.

Also, CCIPL has requested the NGO partner to submit the program report feedback analysis report to the village panchayat for providing the stakeholder views on improving the water management & waste management at that village. CCIPL believes that this information would help the village panchayat in getting the stakeholders view on the local issues and better planning in the water-related projects and policies in an inclusive manner.

Attachment 21 presents detailed report/information about awareness program conducted in Urawade village about Waste management and integrated farming. To engage with villagers facility has communicated to a different group of stakeholders. CCIPL will continue to do similar programs in other villages in the subsequent years.

CC IPL monitors water level & water quality data and submits to the Central Ground Water Authority. The report indicating the water quality data submitted to CGWA is presented in attachment 9.

The report indicating the wastewater quality are submitting to pollution control board is presented in attachment 10. CCIPL believes that the above-submitted data to various stakeholders will help in formulating or decision-making for the water-related projects and policies.

CC IPL also identified in the water stewardship plan to monitor the water quality data in various villages within the catchment and share the data of the same with respective villages panchayat as part of the governance initiative in the subsequent years.

Additional Information: We would like to inform you on some projects which Coca-Cola has implemented in the recent past. Empowering Civil Society (2018)– Coca Cola has partnered with Sampurn(e)arth Environment Solutions Pvt. Ltd. and Vanarai, a not-for-profit organization, for implementing a project on sustainable solid waste management system in the Pirangut village in Pune where we operate. The project aims to build capacity and to strengthen the existing local government machineries driven by sensitization of people on pro-active waste segregation and disposal practices. Few photographs are attached for your reference. See Attachment-5.

Clean Shores Program, Mumbai – Coca Cola has partnered with United

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Way Mumbai and Greater Mumbai Municipal Corporation on a mass citizen engagement project related to cleaning beaches and marine ecosystems in Mumbai.

SMS Mission Recycling (2011) – Building on the Support My School's (SMS) journey of 7+ years to revitalize 1,000+ government schools, SMS Mission Recycling was launched in association with Plan International (India Chapter) and American India Foundation (AIF) to generate awareness and make solid waste management and PET recycling a way of life. This child centric approach will attempt to impart knowledge, change behavior and practices at the community level. In the first phase in Maharashtra 17 schools will be enrolled and approximately 7,000 children will be trained.

In addition to above initiatives Coca-Cola is actively involved in community projects like Waste management, Stop The Spread - Covid relief program in the various villages in the Catchment. See attached excel sheet for list of implementation in Attachment 6

By working with various government agencies, local village bodies and villagers in the catchment Coca Cola is providing evidence to show that it is supporting good catchment governance

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Finding No:	TNR-003036
Checklist Item No:	3.1.2
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.
Findings:	There was no evidence to show that measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 were implemented.
Corrective action:	CC IPL will evaluate the different groups of Schedule Cast & Schedule tribe population and further evaluate the category of each of these people and identify the indigenous people based on the published information and articles. The current water access to the village as per the census will be identified. Also CC IPL will provide the details of the current water extraction and its indication that it is always within the authorized limit as per NOC and also wastewater generation within the limit as specified in the permit.

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Evidence of implementation: NOTE: Since this window is not allowing to copy tables, refer detailed response in attached file named as "Coke_Pune_AWS_Response 3.1.2"

As per the ministry of Jal Shakthi survey dashboard on Jal Jeevan Mission (JJM), the villages in the catchment were evaluated based on the data obtained from the JJM dashboard with respect to population having access to water & various sources available in the villages. Also water supply in villages & Balawadi/Anganvadi (English meaning is –Pre school) is evaluated. Details are in the attached response.

From the presented data in the response, it is inferred that the scheduled tribe population is recorded in 5 villages. CCIPL will make further efforts to evaluate the category of indigenous people in these villages interacting with the local administration. Details of the same will be presented in the next surveillance audit.

It has been noted from the data that an average of 70% of the Households in the catchment have individual household tap connections and service level varies from 15lpcd to 35lpcd. Of all the villages Kasar Amboli has the lowest household connections followed by Belawade. During the primary interaction and visit to the village it has been identified that individual borewells are maintained by the household for the domestic water requirement.

All the Balwadi/ Anganvadi (English meaning is Pre-School) is identified in the catchment are having tap water connections, hand wash facilities and running water for sanitation facilities.

Regarding Facility level information, CCIPL has never exceeded the water extraction limit (135 KL/Day) issued under the permit by PCB & CGWA and also never exceed the quality of the treated wastewater. The treated wastewater is entirely reused within the plant, with no discharge outside the facility.

Details of last year (2022) month wise consumption data are presented below to demonstrate that the plant has never exceeded the permitted limit and respects the water rights of others.

The plant will further make efforts to collect information on the indigenous people and the information on the water supply to the community from the local administration in the current year and the details of the same will be incorporated in the stewardship plan.

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Finding No:	TNR-003357
Checklist Item No:	3.2.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	A process to verify full legal and regulatory compliance shall be implemented.
Findings:	Evidence of the digital compliance monitoring system (KOME Risk) for effective monitoring of legal compliance was not provided.
Corrective action:	CC IPL will provide details of the legal compliance tool and its mechanism of implementation with responsibilities. Also will provide the screenshot/extract of the latest compliance status as per KOME Risk. Same can be re-confirmed during surveillance audit by Auditor on-site.

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Finding No:	TNR-003041
Checklist Item No:	3.3.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.
Findings:	The water stewardship plan did not clearly show water balance as a target therefore status of progress towards meeting water balance targets set in the water stewardship plan could not be assessed.
Corrective action:	CC IPL has a water balance study as a part of SVA along with water use ratio as a targets. CC IPL has created a rainwater harvesting structures which is the potential to recharge 100% of the water extracted. Details of the same will be presented. Water balance target will be added as a part of annual indicator for sustainability and same will be updated in water stewardship plan. Also, CC IPL has set a target on water use ratio (Glide path – a target for 2030) in line with the global sustainability commitment of TCCCs. The progress and status of the same will be presented.

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Evidence of implementation: NOTE: Since this window is not allowing to copy tables/ graphs, refer detailed response in attached file named as "Coke_Pune_AWS_Response 3.3.1"

In line with the CCIPL water stewardship strategy with overarching mission, vision and goals aligning with the Global water stewardship strategy of The Coca-Cola Company, CCIPL has taken target to

- Improve water efficiency in our manufacturing sites by 20% by 2030 (compared to a 20215 baseline).
- Replenish 100% of the water we use in areas of water stress (also called "water leadership locations") by 2030, through community-based partnerships.

As part of corporate sustainability commitment, CCIPL Pune plant has set a water use target aligning with the global commitment which is called Glide Path. As per the Glide path, the facility has to achieve a water use ratio of 0.81 by 2030.

Last year's target for the facility on the water use ratio was 1.02 Lit/ Kg and the facility has achieved the target 0.87 Lit/kg and the target for 2023 is 0.83 Lit/Kg.

Now facility has identified water balance as additional target for water stewardship plan, currently it is monitored through water use ratio and annual reconciliation of water usage to support this corrective action. facility will further analyze data and inputs from internal stakeholders to identify and prioritize risk and opportunities. Few initiatives that are identified part of the water balance optimization (Water Audit and water maturity assessment) as follows

- Implementing water-saving technologies, such as drip irrigation or leak detection systems
- Optimizing water allocation and usage through better monitoring and control
- Promoting water reuse and recycling to reduce freshwater withdrawals
- Developing water management policies and communication to promote responsible use
- Improving water balance further will be target to support this corrective action

The above initiatives are focused to improve the water balance. To start with facility will undertake reduction of 5% un-explained water quantity year on year on baseline of 2022.

Details of monthly production Vs Water consumption demonstrating the water use calculation on month on month-wise are presented in the attached response,

In addition to that the facility has also created a rainwater harvesting structure with the facility which is the potential to recharge to the tune of approx. 23000 m3/year, based on the rainfall data of 2022.

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Finding No: TNR-003377
Checklist Item No: 3.3.2
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.
Findings: There were no targets set to improve the site's water use efficiency or if practical and applicable, reduce volumetric total use.
Corrective action: Water use ratio is tier 1 metric for the manufacturing operations and closely monitored by senior management. We calculate water use ratio by using formula water used in liters for per Kg of concentrate/ beverage base manufactured. in 2015 we our water use ratio was 1.37 Lit/Kg but due to various water saving and water reduction initiatives currently our water use ratio is 0.87 Lit/Kg
CCIPL has set a target on water use ratio (Glide path – target for 2030) in line with the global sustainability commitment of TCCCs. The progress and status of the same will be presented.

Finding No: TNR-003368
Checklist Item No: 3.3.3
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.
Findings: The permit provided in the attachment 'Att 19 Consent from MPCB' expired on 31/08/2022
Corrective action: CCIPL has received renewed Consent to Operate from MPCB which is valid till 31.08.2025 Also, indicate the quantity of water approved for reuse for gardening after treatment and meeting the discharge standard and same is attached in the evidence.

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Audit Number: AO-000464

Finding No:	TNR-003281
Checklist Item No:	3.4.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.
Findings:	<p>Water quality was identified in the water stewardship plan however there were no targets set therefore it was not possible to assess progress towards meeting these targets.</p> <p>The SVA 2021 report is provided as evidence, but it is a 97-page document and it's impossible to assess how the indicator was met. Page 54 of SVA 2021 indicates that there is a trend analysis of monitoring results, but no trends were shared. Only one set of results was shared in the following attachment 'Att_8a_Raw_water_test_reports' dated 20 May 2021.</p>
Corrective action:	<p>The source water is used only after proper treatment. There are targets/standards set by The Coca Cola Company in KORE requirements for water quality. Plant has a pre-treatment system in place to achieve the water quality standards.</p> <p>The site is monitoring water quality through regular testing by internal and external laboratories.</p> <p>Also, CCIPL will provide the water quality trend for the last 5 years and test reports.</p> <p>Site also has a target for waste water treatment inlined to MPCB Consent requirement and testing is carried out via internal and external laboratory. Test results are monitored.</p> <p>Details of the same will be presented</p>

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Evidence of implementation: NOTE: Since this window is not allowing to copy tables, refer detailed response in attached file named as "Coke_Pune_AWS_Response 3.4.1"

CCIPL has already developed in-house pre-treatment facilities for groundwater to meet the process and WASH water quality requirements, these comprises filtration, sanitation, ultra-filtration and finally passing through UV. Also at most importance is given to water quality in-house water treatment process monitoring and water quality is verified on daily basis. Coca-Cola has its own KORE requirements to assured water quality.

The marginal increase in TDS levels in the groundwater during the pre-monsoon period may increase the pre-treatment costs such as raw water RO operations. CCIPL has developed robust pre-treatment standard operating procedures and the operators are well-trained. CCIPL has adopted weekly testing of treated raw water for Coliform count as per the Good Management Practices (GMP). As a part of the Factories Act requirement, CCIPL is periodically monitoring pathogens in the drinking water after RO treatment to ensure safe drinking water for employees and workers. Periodical Legionella monitored in the cooling tower feed water samples has been adopted and the absence of pathogens and Legionella shows that the water quality management within the facility is acceptable.

The quality of the groundwater at the site (borewell water) is within the prescribed norms for all Physico-chemical parameters. Total Coliform is detected in the raw water, hence borewell water is subjected to chlorination and further treated in RO units and supplied for drinking and other domestic applications.

Facility has been monitoring the groundwater quality at the site twice in a year and the TDS levels during the pre-monsoon and post-monsoon seasons are recorded to be in the order of approximately 900 mg/l and 550 mg/l respectively.

The facility also monitors the water quality in the onsite borewells twice in a year through NABL, MoEF&CC & CPCB approved laboratory. The trend of the critical water quality parameters for the last 5 years were presented below. The test reports of the same were attached as attachment-9.

It has been observed from the trend attached in the response file, the water quality in the borewell has improved over a years. Total coliform content was found to be absent in the 2022 test results.

As stated in indicators 1.3.4 & 1.3.5, groundwater quality is well within the drinking water standards in terms of physiochemical parameters, whereas the presence of Total Coliform in the groundwater will be a seasonal phenomenon. The last borewell test reports (Attachment 11) indicate the absence of Total Coliform. As a part of the stewardship program, Total Coliform will be measured periodically in the nearby village borewells as well from the current year.

Even though the water quality targets are not exclusively mentioned in the water stewardship plan presented during the audit, the site has practice is in place to monitor the water quality of both Raw water and treated wastewater. As part of this CCIPL has established in-house testing laboratory for regular monitoring of water quality for critical parameters as identified.

CCIPL has identified the water quality targets such as COD, BOD, TDS,

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pH for the treated wastewater and For raw water quality targets such as pH, TDS, Chlorides and Total Coliform in the updated water stewardship plan.

Treated Wastewater Quality:

Treated wastewater quality is daily monitored in the in-house laboratory for quality checks. Also one sample in a month is tested through an NABL, MoEF&CC and CPCB approved laboratory. The trend of the wastewater quality since 2018 is presented in the attached response. It is noted from the trend attached in the response file, the treated wastewater quality has never exceeded the standard limit. Also with the best of treatment technology adopted the critical parameters such as TDS, COD & Chloride are well far below the limits. Laboratory test reports of the wastewater quality is presented in Attachment 10. The above presented data provides the document evidence of water quality targets that the site adopts and its implementation status.

Finding No: TNR-003044
 Checklist Item No: 3.5.1
 Status: In Progress - CA plan approved
 Finding level: Minor
 Due date: 2023-Dec-12
 Checklist item: Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.
 Findings: The evidence provided failed to show implementation of activities that were outlined in the attachment 'Att. 10 Assessment Paper on IWRAs within the site'. Practices were also not set in the water stewardship plan.
 Corrective action: CCIPL has presented the practices adopted at the site with respect to the management of IWRAs along with the photographic evidence and also periodic monitoring records. CCIPL has also identified the following programs in the catchment to implement as part of the water stewardship plan in association with the other stakeholders based on the capacity.
 Monitoring water quality of the important water-related areas
 Placing the signboard and indication of no litter zone along the IWRAs
 Promoting the awareness sessions
 Details will be provided in next surveillance audit

Finding No: TNR-003048
 Checklist Item No: 3.6.1
 Status: Open
 Finding level: Observation
 Checklist item: Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.
 Findings: The site does not have any washroom for physically handicapped people/special needs visiting the plant.

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Finding No:	TNR-003051
Checklist Item No:	3.6.2
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.
Findings:	The evidence provided does not provide sufficient evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.
Corrective action:	CC IPL will present the latest CGWA approval and the monthly water consumption data for last year 2022, as an indication of no exceedance in the extraction of an approved limit of water quantity. Also CC IPL will provide the latest consent to operate issued by MPCB and its indication on the discharge standard. The quality of treated wastewater for the last year 2022 will be presented to quantify the treatment efficiency of the facility. Also CC IPL has undertaken the Ground Water Impact assessment, to identify the potential impact of groundwater withdrawal of the facility in the surrounding area. Summary of the impact will also be presented in terms of drawdown and radius of influence to quantify the impacts and respect the water rights of others in the catchment.

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Evidence of implementation: NOTE: Since this window is not allowing to copy tables/ charts, refer detailed response in attached file named as "Coke_Pune_AWS_Response 3.6.2"

As indicated in the earlier indicators, the only source of water for the facility is groundwater. Three borewells are installed at the facility, out of which only two borewells are in regular operation. Three Piezometers are installed in the facility with a continuous monitoring system. The facility has obtained a No Objection Certificate (NOC) from Central Ground Water Board (CGWB) for the extraction of groundwater to a limit of 135m³/day (44500 m³/year). At the same time facility is recharging more than 22500 m³/year through 16 nos of Rain water harvesting structures considering normal rain fall. The facility has never exceeded the groundwater extraction limit in the past, ensuring the water rights of the facility and also respecting the water rights of others in the catchment.

CCIPL has presented the daily average consumption for every month for last year (2022) in the attached response file to demonstrate the permitted limit and also the responsiveness of the facility in respecting the water rights of the stakeholders

CCIPL has obtained the approval from Maharashtra Pollution Control Board (MPCB) for the generation of 90KLD trade effluent and 20KLD domestic sewage. About 30 KL of wastewater is generated from the facility and the same is treated in a dedicated industrial wastewater treatment facility and 5KL of domestic wastewater is generated and the same is treated in a dedicated sewage treatment facility. A dedicated wastewater treatment facility (ETP) of a capacity 150KLD and a sewage treatment facility (STP) of a capacity 20KLD are available within the facility.

Treated wastewater and sewage are utilized for horticulture activities and toilet flushing within the facility. Therefore, no wastewater is discharged outside the premise. Public infrastructure is NOT used for treating and disposing of treated wastewater. Due to the recycling of wastewater within the facility, wastewater discharge into any natural water bodies and streams is not practiced.

CCIPL also set up in-house laboratory for monitoring the treated wastewater quality on daily basis and also once a month through an NABL, MoEF&CC and CPCB external approved laboratory to ensure the treated waste water quality within the norms. The trend of the wastewater quality since 2018 is presented in the response attachment.

It is noted from the trend attached in the response that the treated wastewater quality has never exceeded the standard limit. Also with the best of treatment technology adopted the critical parameters such as TDS, COD & Chloride are well far below the limits. Laboratory test reports of the wastewater quality is presented in Attachment 10. This demonstrates that the facility operates in a responsive manner ensuring the water rights of the stakeholders.

CCIPL has undertaken the groundwater impact assessment study to identify the potential impacts zones due to the withdrawal of the facility. Based on the impact assessment study, it is inferred that the maximum

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radius of influence will be 227m, which is limited to the facility area. Also it is noted that the aquifer zone in the catchment is categorized as safe category. Hence the overall impact on the catchment due to withdrawal of groundwater is insignificant.

Water from the borewells further passed through ACF and MGF followed by an online chlorine dosing for removal of any residual pathogen contamination. Water is further stored in 2x500 KL storage tanks and is sent to the main plant for further treatment and use. Apart from this facility has strategized following actions to assure the human right to safe water and sanitation of communities through operations, and traditional access rights for indigenous and local communities are being respected.

Engagement with Local Communities: Facility will engage with local and indigenous communities to understand their concerns and device action plan to fulfill if there is rational.

Grievance Mechanism: Facility has provided complaint box at security gate which is easily accessible grievance mechanism through which local and indigenous communities can raise concerns about our operations and the impact on water resources. In case if anyone illiterate and needs support for writing complaint, security guard will help. Facility will provide documentation of any grievances reported along with actions taken to resolve them.

Periodic Verification: To ensure credibility of our efforts, we will conduct bi-annual review of effectiveness to verify our adherence to the highest water stewardship standards.

The above aspects indicate that the facility respects the human rights of other stakeholders in the catchment.

Finding No:	TNR-003058
Checklist Item No:	3.7.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.
Findings:	There was no evidence to show that targets were set in the Water Stewardship Plan and therefore it was not possible to assess if they had been met.
Corrective action:	This indicator is applicable if the service provider or supplier are located within the catchment. CCIPL will provide the document evaluation of supplier mapping. Also indicate the letter sent to the supplier and service provider located outside the catchment on water use in their operations.

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Finding No:	TNR-002884
Checklist Item No:	3.7.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.
Findings:	There was no evidence provided to show engagement with suppliers as well as actions they have taken in the catchment as a result of the site's engagement related to indirect water use.
Corrective action:	This indicator is applicable if the service provider or supplier are located within the catchment. CCIPL will provide the document evaluation of supplier mapping. Also indicate the letter sent to the supplier and service provider located outside the catchment on water use in their operations.

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Finding No:	TNR-003302
Checklist Item No:	3.8.1
Status:	Closed
Finding level:	Major
Due date:	2023-May-18
Checklist item:	Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.
Findings:	The site's boreholes draw water from the catchment aquifer. There was no evidence of engagement and the key messages relayed with confirmation of receipt with stakeholders.
Corrective action:	CC IPL will provide the permit obtained from CGWA for the extraction of ground water, during the process the site has taken written No Objection Certificate from the Pirangut village panchayat. CGWA approval letter and Pirangut village panchayat letter will be submitted as a document evidence of site engagement and the key messages relayed with confirmation of receipt with stakeholders.
Evidence of implementation:	<p>Groundwater is the only source of water for the facility and no fresh water is drawn from Mula River or municipal supply or reservoir etc.,.</p> <p>Water is drawn from the licensed groundwater borewells located within the facility. CC IPL has obtained the Groundwater extraction permits from CGWA as per the Ministry of Jal Sakthi Notification. Latest valid NOC from Central Groundwater Authority is shown in Attachment-4.</p> <p>Also facility has approached the town panchayat of Pirangut and obtained written confirmation about the water extraction of the facility, which will be provided in the attachment 24. This will act as a document evidence for key message relayed with confirmation of receipt with stakeholders. With this local body is giving us No Objection certificate (NOC) for extraction of ground water and this is the document evidence for engagement and the key messages relayed with confirmation of receipt with stakeholder</p>

Finding No:	TNR-003061
Checklist Item No:	3.9.2
Status:	Open
Finding level:	Observation
Checklist item:	Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.
Findings:	There were no targets set in the water stewardship plan regarding water balance.

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Finding No: TNR-003063
Checklist Item No: 3.9.3
Status: Open
Finding level: Observation
Checklist item: Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.
Findings: There were no water quality targets set in the water stewardship plan.

Finding No: TNR-003369
Checklist Item No: 3.9.4
Status: Open
Finding level: Observation
Checklist item: Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.
Findings: There were no targets set in the Water Stewardship Plan in terms of the site's maintenance of Important Water-Related Areas.

Finding No: TNR-003065
Checklist Item No: 3.9.5
Status: Open
Finding level: Observation
Checklist item: Actions towards achieving best practice related to targets in terms of WASH shall be implemented.
Findings: There were no targets set in the Water Stewardship Plan in terms of WASH.

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Audit Number: AO-000464

Finding No: TNR-002887
Checklist Item No: 4.1.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: Performance against targets in the site’s water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.
Findings: The site did not provide evidence of performance against targets in the site’s water stewardship plan and the contribution to achieving water stewardship outcomes evaluated.
Corrective action: CCIPL updated the water stewardship plan including water balance, water use ratio as a target, water quality targets for raw water & waste water. As part of the water stewardship plan the catchment level programs for addressing shared water challenges in water availability and water quality is also identified. various opportunities pertaining to risks were identified and prioritized. CCIPL has implemented the catchment level program along with various stakeholders (NGOs, farmers, authorities etc.) within the catchment. The site has evaluated the performance and impact of the program and communicated the same with stakeholders. In addition to this, site will prepare the annual evaluation report as per the water stewardship plan presented. The adopted projects and practices for the year 2022 will be evaluated against the targets and the outcomes as per the AWS standard, and will be presented by the site during next surveillance audit.

Finding No: TNR-002886
Checklist Item No: 4.1.2
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: Value creation resulting from the water stewardship plan shall be evaluated.
Findings: The site failed to show any evidence of Value creation resulting from the water stewardship plan.
Corrective action: Site will prepare the annual evaluation report as per the water stewardship plan presented. The adopted projects and practices for the year will be evaluated and presented as per the annual evaluation template adopted by the site. Implemented best practices at the site will be evaluated against the benefits achieved in water stewardship and the value created on each of the practices. The site will also present the value creation from the awareness program undertaken in Dec 2022 in annual evaluation report.

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Finding No:	TNR-002888
Checklist Item No:	4.1.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	The shared value benefits in the catchment shall be identified and where applicable, quantified.
Findings:	The site failed to show any evidence of identified and quantified, shared value benefits in the catchment.
Corrective action:	<p>CCIPL has water balance target, water use ratio target & water quality target for raw water and waste water. As part of the water stewardship plan CCIPL will recharge 100% of the water extracted during the annual year, this will help to improve the aquifer water quantity and reduce the risk to other stakeholders dependent on the aquifer. inline to the global sustainability commitment CCIPL has taken water use target, which improves the water use efficiency in the process.</p> <p>Since 2015, CCIPL has reduced the water use ratio by more than 35% this has been reducing the fresh water consumption in the manufacturing process and reduced the water scarcity risk in the catchment. Also CCIPL has a dedicated waste water treatment plant located within the facility. The entire treated waste water is being reused for gardening purpose within the facility premises after meeting the discharge standards. The water quality standard adopted by the site is well below the regulatory limit which helps to reduce pollution footprint in the environment.</p> <p>Site will prepare the annual evaluation report as per the water stewardship plan presented. The adopted projects and practices for the year will be evaluated and presented as per the annual evaluation template adopted by the site.</p> <p>Shared value benefits of the projects undertaken at the site and catchment will be identified and the site will make the best efforts to quantify wherever possible. Details of the same will be presented in next surveillance audit.</p>

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Audit Number: AO-000464

Finding No:	TNR-002889
Checklist Item No:	4.2.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.
Findings:	The site has not prepared a written annual review and root-cause analysis of the year's emergency incident(s) and the site's response to the incident(s) evaluated and proposed preventative and corrective actions and mitigations against future incidents identified.
Corrective action:	The site will prepare the annual evaluation report as per the water stewardship plan, No emergency incidents were reported in the last year. Hence no corrective actions were proposed. The annual evaluation report developed for the facility has a dedicated space for indication of the emergency incidents (if any). TCCC has well defined Incident Management and Crisis Resolution program & water related risks are also reported, assessed and addressed through it. CCIPL has dedicated and trained team to look into such risks and issues are escalated to corporate level for getting required help. Company also has water experts who are also guiding in mitigation measures of such risks. Details of the same will be presented during next surveillance audit.

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Audit Number: AO-000464

Finding No:	TNR-003076
Checklist Item No:	4.3.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.
Findings:	The site failed to show any evidence of Consultation efforts with stakeholders on the site's water stewardship performance.
Corrective action:	<p>The site will prepare the annual evaluation report inline to the water stewardship plan.</p> <p>MPCB & CGWA are considered as key stakeholder, Site regularly submits the annual returns in FORM V (Environmental Statement) to MPCB, which will include the details of the water consumption & waste water generation for the year and water quality reports.</p> <p>The site also submits the annual compliance to CGWA on ground water extraction and water quality data.</p> <p>The site has also made efforts to communicate with the Key stakeholders including authorities (village panchayat, VASUNDRA, etc.,) to indicate the share water challenges and opportunities. (Letters sent to authorities will be submitted).</p> <p>The site has conducted an awareness program in Dec 2022 in the urawade village focusing on waste management and integrated farming. The program was undertaken in association with the other stakeholders in the catchment (NGOs, Village panchayat, Schools, farmers, etc.,) Details of the same will be provided.</p> <p>Site has also communicated the feedback and success of the program to various stakeholder through mail/letter. The copy of the same will be provided.</p> <p>Details of the same will be presented during next surveillance audit.</p>

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Alliance for Water Stewardship (AWS)

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Finding No:	TNR-002890
Checklist Item No:	4.4.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.
Findings:	No evidence was provided to show the site's water stewardship plan was modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and that these changes were identified.
Corrective action:	<p>The site will prepare the annual evaluation report inline to the water stewardship plan.</p> <p>As part of the evaluation, feedback from various stakeholders will be considered and the same will be considered in updating the water stewardship plan with an internal water stewardship committee.</p> <p>The site has undergone an initial certification audit, the various findings identified in the audit including stakeholder consultation will be addressed and the water stewardship plan will be updated. The updated water stewardship plan will be presented to the water stewardship committee of the facility and approved. The minutes of the same will be provided.</p> <p>The facility will also demonstrate more robust documentation in the next surveillance audit.</p>
Finding No:	TNR-003079
Checklist Item No:	5.1.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.
Findings:	There was no evidence provided to show that the site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations were disclosed.
Corrective action:	<p>The site will disclose the positions of those accountable for compliance with water-related laws and regulations to various stakeholders. CCIPL has already authorized responsible person for dealing with regulatory agency like CGWB, MPCB, Local Grampanchayat. Any communication, application, renewal etc. are submitted only after his approval/signature. All communication from regulatory agencies are reaching to the authorized person (plant head).</p> <p>Also CCIPL has displayed governance structure at the main gate of the facility indicating the water-related responsibility and position.</p>

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Alliance for Water Stewardship (AWS)

Audit Number: AO-000464

Finding No: TNR-002892
Checklist Item No: 5.2.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.
Findings: No evidence was provided to show that the water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, was communicated to relevant stakeholders.
Corrective action: This is the first year of evaluation of the CCIPL AWS requirement compliance, water stewardship plan is prepared and site is implementing various projects as identified. By next surveillance audit will be able to assess some outcomes of AWS standard, which can communicate to the relevant stakeholders in appropriate manner as identified in the stakeholder engagement plan. Details of the same will be presented in next surveillance audit.

Finding No: TNR-002893
Checklist Item No: 5.3.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.
Findings: There was no evidence provided to show a summary of the site's water stewardship performance, including quantified performance against targets, disclosed annually at a minimum.
Corrective action: This is the first year of evaluation of the CCIPL AWS requirement compliance, water stewardship plan is prepared and site is implementing various projects as identified. By next surveillance audit will be able to assess the performance against target and disclose the same annually meeting the TCCC disclosure policy. Details of the same will be presented in next surveillance audit.

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Finding No: TNR-002894
Checklist Item No: 5.4.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.
Findings: No evidence was provided to show the site's shared water-related challenges and efforts made to address these challenges were disclosed.
Corrective action: This is the first year of evaluation of the CCIPL AWS requirement compliance, water stewardship plan is prepared and site is implementing various projects as identified.
CC IPL has already initiated discussion with the stakeholders regarding the shared water challenges & potential opportunities.
By next servilleince audit will be able to disclose the efforts made by the site to engage various stakeholders to address the shared water challenges and opportunities.
Details of the same will be presented in next surveillance audit.

Finding No: TNR-002895
Checklist Item No: 5.4.2
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.
Findings: There was no evidence provided to show the efforts made by the site to engage stakeholders and coordinate and support public-sector agencies were identified.
Corrective action: This is the first year of evaluation of the CCIPL AWS requirement compliance, water stewardship plan is prepared and site is implementing various projects as identified.
CC IPL has already initiated discussion with the stakeholders and public sector agencies and coordinating for their support.
By next surveillance audit will be able to show the evidence of efforts made by the site.
Details of the same will be presented in next surveillance audit.

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Audit Number: AO-000464

Finding No: TNR-003083
Checklist Item No: 5.5.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: Any site water-related compliance violations and associated corrections shall be disclosed.
Findings: The site did not provide evidence to show that any site water-related compliance violations and associated corrections were disclosed.
Corrective action: This is the first year of evaluation of the CCIPL AWS requirement compliance.
Site has permit of extracting 135 KL/Day ground water from CGWB and for waste water, valid MPCB Consent to operate from MPCB is in place and consent conditions are being followed.
CC IPL has digital management system to track regulatory compliance is always in place. Site has never violated water-related compliance and hence associated corrections were not required. However; as per AWS requirement we will have program in place to disclose site water-related compliance violations and associated corrections.
Details of the same will be presented in next surveillance audit.

Finding No: TNR-003376
Checklist Item No: 5.5.2
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2023-Dec-12
Checklist item: Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.
Findings: There was no evidence to show that necessary corrective actions taken by the site to prevent future occurrences were disclosed if applicable.
Corrective action: This is the first year of evaluation of the CCIPL AWS requirement compliance.
Site has permit of extracting 135 KL/Day ground water from CGWB and for waste water, valid MPCB Consent to operate from MPCB is in place and consent conditions are being followed.
CC IPL has digital management system to track regulatory compliance is always in place. Site has never violated water-related compliance and hence associated corrections were not required. However; as per AWS requirement we will have program in place to disclose the necessary corrective actions taken by the site to prevent future occurrences.
Details of the same will be presented in next surveillance audit.

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Audit Number: AO-000464

Finding No:	TNR-002896
Checklist Item No:	5.5.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2023-Dec-12
Checklist item:	Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.
Findings:	No evidence was provided to show that any site water-related violation that may pose significant risk and threat to human, or ecosystem health was immediately communicated to relevant public agencies and disclosed.
Corrective action:	<p>This is the first year of evaluation of the CCIPL AWS requirement compliance.</p> <p>Site has permit of extracting 135 KL/Day ground water from CGWB and for waste water, valid MPCB Consent to operate from MPCB is in place and consent conditions are being followed.</p> <p>CC IPL has digital management system to track regulatory compliance is always in place. Site has never violated water-related compliance and hence associated corrections were not required. However, as per AWS requirement, we will have program in place to disclose and show that site water-related violation that may pose significant risk and threat to human, or ecosystem health is immediately communicate to relevant public agencies.</p> <p>Details of the same will be presented in next surveillance audit.</p>

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Audit Number: AO-000464

Report Details

Report	Value
Report prepared by	Bharat Nagar
Report approved by	Ruth Wandera
Report approved on (Date)	17 February 2023

Surveillance

Proposed date for next audit
2023-Dec-12

Comment Surveillance 1 audit will be on 12 December 2023

Stakeholder Announcements

Date of publication	Location
14/11/2022	AWS/WSAS Website
05/12/2022	Publication in local newspaper (see attachment)
Comment	Stakeholder announcement copy is attached

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Catchment Information

Catchment Information

The district forms part of Western Ghat and Deccan Plateau. Physiographically the district can be divided in to four major characteristic landforms namely (1) the hills and Ghats -Pune stands on the leeward side of the Western Ghats. The western belt stretching from 16 to 31 km east of Sahayadri is an extremely rugged country cut by deep valleys, divided and crossed by hill ranges. (2) The foot hills or the region of denudational origin with a series of small hills stretch in to valleys and large spurs from Plateaux (3) The Plateau or High Level Plateau (>900 mamsl) and Middle Level Plateau (600-900 mamsl)- the central belt extending for about 30 km east of western belt across the tract whose eastern belt is roughly marked by a line drawn from Pabal in the north to south up to Purandhar through Pune and the eastern belt with a rolling topography and low hills sinking slowly in to the plains with relatively broader valleys and (4) The Plains or Older Flood Plain (513-560 mamsl), The western part of the area is occupied by hills, the central part by hillocks and the eastern part by nearly plain terrain with few isolated mounds, dissected by valleys of Karha River and other tributaries of Nira River. The heights of the hillocks vary between 100 to 150 m above the ground level. The minimum elevation in the area is 516 m above mean sea level and the maximum being 1403 m above m.s.l.

The district comes under Krishna River Basin and is drained by River Bhima and its tributaries. Bhima, the main tributary of Krishna rises in the Sahyadri mountains (Bhima Shankar Hill) in the district and flows east. The soils of Pune district are the product of weathering of basalts controlled by climate. In general, they are clayey loam in texture and fairly high in calcium carbonate, high porosity but moderate to low permeability, thus having low to moderate infiltration capacity. The climate of Pune district is characterized by hot tropical climate with moderate summer, mild winter season and general dryness throughout the year except during the south-west monsoon season, i.e., June to September. Temperature varies from 6.8 degree centigrade as minimum to 40 degrees centigrade. Geologically, the area is divided into following two parts i.e., Deccan Trap and Older Alluvium formation.

Alluvium and Basalt aquifers are the main aquifers in the district. Two aquifer Systems in Basalt and one shallow aquifer in Alluvium (lined to riverbanks) are found to be prevailing in the district.

Client Description and Site Details

Client/Site Background

Coca-Cola India Pvt. Ltd., Plot no. 1109-1110, Pirangut, Tal-Mulshi, District – Pune -412108 is a Manufacturer of non-alcoholic Beverage Bases, it is situated in Pirangut, Pune, Maharashtra. The plant is spread over a total area of 53200 m². Currently, the plant has consent to withdraw 135 m³/day of water from 3 borewells available in the plant. At present, approximately 52.7 m³/day (Considering 365 days average) of water is used for the plant operations i.e., from April 2021 to March 2022. Industrial wastewater generated in the plant is treated in the Effluent Treatment Plant (ETP) of 90 KLD and is used for gardening purposes after ozonation & as feed to the cooling towers after passing through the wastewater RO system. Domestic sewage generated in the plant is treated in a separate Sewage treatment plant of capacity 20 KLD and is used for toilet flushing.

The state of groundwater extraction as reported by CGWB (assessment year: 2020) is 68.92 % which puts Pune district in the category of Safe zone.

Comment Water Audit Report is used as an evidence for the description provided below.

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Summary of Shared Water Challenges

Summary of Shared Water Challenges

- 1. Water Quantity - Water Demand in future due to rapid growth in the region.
- 2. Water Quality - Improving Water Quality (Total Coliform)

Comment Shared water challenges are mentioned in attachment 26 as attached here.

0.1 General Requirements for Single Sites, Multi-Sites and Groups

0.1.1 Eligibility Criteria

0.1.1.1 *The site(s) occupy one catchment OR an exception has been granted.* ✔
Yes

Comment The site considered here is one catchment located at Pirungut village, Malushi, Pune.

0.1.1.2 *The scope of the proposed certification shall be under the control of a single management system.* ✔
Yes

Comment The proposed certification is under the control of a single management system

0.1.1.3 *The scope of the proposed certification shall be homogeneous with respect to primary production system, water management, product or service range, and the main market structures.* ✔
Yes

Comment The scope of the proposed certification is homogeneous with respect to primary production system - manufacturing of concentrate, its related water consumption and water management and the main market structures.


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1 STEP 1: GATHER AND UNDERSTAND

1.1 *Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.*

1.1.1 *The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:*

- Site boundaries;
- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;
- Any water sources providing water to the site that are owned or managed by the site or its parent organization;
- Water service provider (if applicable) and its ultimate water source;
- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;
- Catchment(s) that the site affect(s) and is reliant upon for water.

 in progress

Comment The site physical scope was mapped on following details, considering the regulatory landscape and zone of stakeholder interests, including:

- Site boundaries;
- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;
- Any water sources providing water to the site that are owned or managed by the site or its parent organization;
- Water service provider (if applicable) and its ultimate water source;
- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;
- Catchment(s) that the site affect(s) and is reliant upon for water.

Evidence Used:

1. sites boundary (Att. 1a site layout).
2. 1b Raw water source, treatment units & pipe networks)
3. 1c waste water treatment plant, sumps & pipe networks).
4. Att. 2: Catchment Boundary for the facility has been identified in the SVA study

The site does not have any discharge point as entire water is used within the site. It may also be called as Zero liquid discharge site.

Finding No: TNR-002966

1.2 *Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.*

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1.2.1 *Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:*

- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;
- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;
- Provide evidence of stakeholder consultation on water-related interests and challenges;
- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;
- Identify the degree of stakeholder engagement based on their level of interest and influence.



No

Comment 'An internal workshop with the leadership team have been undertaken to identify the potential stakeholder and their interest & influence on water related challenges.

Evidence Provided:
1. (Att. 3 Internal Stakeholder mapping & their degree of influence in water related activity)
2. (Att.4 External stakeholder mapping & their degree of influence on water related challenges)

Finding No: TNR-002969

1.2.2 *Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.*


in progress

Comment Evidence Provided:
Att 3 Internal Stakeholder Mapping
Att 4 External Stakeholder Mapping

Current and potential degree of influence between site and stakeholder for external and internal stakeholders were provided however it was not clear from the map that the site's ultimate water source and ultimate receiving water body for wastewater were considered.

Finding No: TNR-002972

1.3 *Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.*

1.3.1 *Existing water-related incident response plans shall be identified.*


Yes

Comment An emergency response plan is in place.
Evidence Provided by Site:

(Att.5 Emergency Response Plan)

1.3.2 *Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped*


Yes

Comment The site undertakes periodical water audit through external agency. Also the facility has the infrastructures equipped for monitoring the intake water & waste water generation in the process.

(Att. 6 Water Balance Chart)
(Att. 7 Schematic Water flow with the water meter locations)

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1.3.3 *Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.* ✔
Yes

Comment Attachment 6 shows Water Balance & Monthly Water Consumption and Production details of 2021. The recorded data shows that the site is using less water than the permitted 135Klitres per day.

(Att. 6 Water Balance)

1.3.4 *Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.* ✔
closed

Comment Water Quality results for site's water sources were provided for Borehole 8, 10 and 11 for 11/05/2021. the results show exceedances in TDS, Total Alkalinity, Total Hardness and Total Coliform Bacteria for Borehole 8 &10 water. For Borehole 11 there were exceedances in Turbidity, TDS, Ca, Total Alkalinity, Manganese, Total Hardness and Total Coliform Bacteria. This presents a water-related challenge that would be a threat to good water quality status. An indication of annual and seasonal, high and low variances was not provided as only one month's data was provided.

(Att. 8a Raw water quality test Reports for last year)
(Att. 8b Wastewater quality test Reports last year)

Finding No: TNR-002977

1.3.5 *Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.* ✔
Yes

Comment The following attachment shows potential sources of pollution identified and mapped, including chemicals used or stored on site.
(Att. 9 Layout showing the hazard zone & showing the list of areas & chemicals stored on site)

1.3.6 *On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.* ✔
Yes

Comment 'Bore well located within the site (including abstraction, monitoring & recharge wells) are identified as IWRAs within the site.

A detailed assessment on Important Water Related Areas (IWRAs) within the site was performed. Existing condition of the IWRAs were recorded and the sites effort to protect and maintain IWRAs were also identified.

(Att. 10 Assessment Paper on IWRAs within the site)

1.3.7 *Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.* ✔
Yes

Comment 'True Water cost has been calculated considering energy cost, direct fees & treatment involved for both raw water & wastewater.


Benefits of recycling water/ Water- related value generated by the site was also provided.

(Att. 11 True water cost for raw water & wastewater & Value creation by reuse of treated wastewater within the facility)

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1.3.8	<i>Levels of access and adequacy of WASH at the site shall be identified.</i>	 Obs.
Comment	<p>'All workers in the site has access to sanitary facility and clean drinking water. Site has also prepared a detailed assessment paper on the adequacy of the WASH facility with comparison to best practices and international benchmark.</p> <p>(Att. 13 Assessment paper on WASH facility within the Site)</p>	
1.4	<i>Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.</i>	
1.4.1	<i>The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.</i>	 Yes
Comment	<p>'There are no suppliers of primary inputs situated within the site's catchment. The site has undertaken the supplier mapping exercise to identify the supplier location.</p> <p>(Att. 14 Document evaluation on Vendor location and their water risk)</p>	
1.4.2	<i>The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.</i>	 Yes
Comment	<p>'There are no outsourced services situated within the site's catchment.</p> <p>1. Logistics Service Provider - Amrik Roadways, DSV India, CEVA India 2. Laundry Service - Lind ström Services India Private Limited 3. Waste Disposal Agency - Maharashtra Enviro Power Limited</p> <p>The site has undertaken the supplier mapping exercise to identify the supplier location.</p> <p>(Att. 14 Document evaluation on Vendor location and their water risk)</p>	
1.4.3	<i>Advanced Indicator The embedded water use of primary inputs in catchment(s) of origin shall be quantified.</i>	 No
Comment	<p>The embedded water use of primary inputs in catchment(s) of origin was not quantified.</p> <p>Evidence provided: 'Att 14 Supplier Mapping'</p>	
1.5	<i>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</i>	
1.5.1	<i>Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.</i>	 Yes
Comment	<p>'Water Governance in the Catchment has been identified and the various institutions and legal frame work in place for managing the water resource were identified. Also these institutions were mapped in the stake holder and communication was initiated.</p> <p>(Att. 17 Research data on Catchment Water Governance)</p>	
1.5.2	<i>Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</i>	 No

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Comment	<p>'The site has provided NOC for CGWA which is the permit for Ground Water Extraction & Consent from MPCB for wastewater discharge / reuse permit.</p> <p>The MPCB for wastewater discharge / reuse provided was valid up to 31/08/2022. It is unclear if this was renewed.</p> <p>(Att. 18 NOC from CGWA and its compliance) (Att.19 Consent from MPCB and its compliance)</p>	
		Finding No: TNR-002993
1.5.3	<p><i>The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.</i></p>	 in progress
Comment	<p>The catchment water balance for surface and ground water was provided. No scarcity is envisaged for ground water. The evidence however did not show annual or seasonal variance.</p> <p>(Att. 17 Catchment Water balance)</p>	
		Finding No: TNR-002990
1.5.4	<p><i>Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.</i></p>	 closed
Comment	<p>The attachment ' Att_17_Water_Governance (2)', did not indicate water quality of the catchment, including physical, chemical, and biological status. The site's raw water quality results in the attachment 'Att_8a_Raw_water_test_reports' shows that TDS, Total Alkalinity, Total Hardness and Total Coliform bacteria were present in Raw Water, and therefore required treatment by the site. Seasonal, high and low variances needed to be identified. The site uses source water only after proper treatment, meeting the water quality standards.</p>	
		Finding No: TNR-002992
1.5.5	<p><i>Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.</i></p>	 Yes
Comment	<p>'Three lakes/reservoirs and streams passing within the catchment is identified as IWRAs within the catchment.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Marnewadi Reservoir <input type="checkbox"/> Urawade Ambegaon Lake <input type="checkbox"/> Chorghewadi Lake <input type="checkbox"/> Streams connecting to Mula River <p>A detailed assessment on Important Water Related Areas (IWRAs) within the catchment was done including maps as well as their status and threats to people or the natural environment. The site hired Cholamandalam MS Risk Services Ltd (CMSRSL), an Environmental & Sustainability consulting organization to do the assessment.</p> <p>(Att. 20 Assessment Paper on IWRAs within the catchment)</p>	
1.5.6	<p><i>Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.</i></p>	 closed
Comment	<p>No evidence was provided to show that existing and planned water-related infrastructure was identified, including condition and potential exposure to extreme events.</p>	
		Finding No: TNR-002880
1.5.7	<p><i>The adequacy of available WASH services within the catchment shall be identified.</i></p>	 Yes

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Comment	The client provided an Assessment Paper on WASH (Water, Sanitation and Hygiene) Within the Catchment of Coca-Cola India Private Limited (CC IPL) in Pirangut Village, Mulshi Taluk, Pune, Maharashtra, India. This document provided the adequacy of available WASH services within the catchment.	
	Evidence provided: 'Annexure_23_Evaluation of WASH Catchment'.	
1.5.8	<i>Advanced Indicator</i> <i>Efforts by the site to support and undertake catchment level water-related data collection shall be identified.</i>	Q Obs.
Comment	Attachment 17 Catchment Water Governance, Water Balance & Water Quality identified water management programs on page 5 of the evidence provided: 'Att 17 Water Governance'.	
	It is however not clear from the evidence the site's involvement.	
Score	4	
1.5.9	<i>Advanced Indicator</i> <i>The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.</i>	↗ No
Comment	The site evidence failed to show compliance to the adequacy of WASH provision within the catchments of origin of primary inputs.	
	Evidence provided: 'Att 14 Supplier Mapping'	
1.6	<i>Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</i>	
1.6.1	<i>Shared water challenges shall be identified and prioritized from the information gathered.</i>	↗ in progress
Comment	The site identified shared water challenges however these were not prioritized.	
	Evidence provided: 'Att 26 Shared Water Challenges & Potential Opportunity for improvement.'	
	Finding No: TNR-003001	
1.6.2	<i>Initiatives to address shared water challenges shall be identified.</i>	✔ Yes
Comment	The attachment lists potential projects to address each shared water challenge. (Att. 26 List of shared Water Challenges & Potential Opportunity for improvement)	
1.6.3	<i>Advanced Indicator</i> <i>Future water issues shall be identified, including anticipated impacts and trends</i>	✔ Yes
Comment	Based on the evidence provided, the site has used 'Aqueduct' model to predict water stress and drought index. Water quantity was identified as a shared water challenge with the rapidly rising population.	
	Evidence Provided Att 26 Shared Water Challenges & Potential Opportunity for improvement Att 27 Predicted future water risk	
Score	3	
1.6.4	<i>Advanced Indicator</i> <i>Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.</i>	↗ No

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Comment	The site failed to share evidence of any pre-identified potential water-related social impacts from the site which would have resulted in a social impact assessment with a particular-focus on water.	
1.7	<i>Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.</i>	
1.7.1	<i>Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.</i>	 closed
Comment	The site evidence does not meet the requirement of water risks faced by the site and did not clearly outline potential costs and business impact. Evidence provided: 'Att 29 Potential Vulnerability on Water Risk'	Finding No: TNR-003007
1.7.2	<i>Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.</i>	 No
Comment	The site evidence lists potential projects as identified opportunities, but it did not provide detail on how the site may participate, assessment and prioritization of potential savings, and business opportunities. Evidence provided: 'Att 26 Shared Water Challenges & Potential Opportunity for improvement.'	Finding No: TNR-003008
1.8	<i>Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.</i>	
1.8.1	<i>Relevant catchment best practice for water governance shall be identified.</i>	 Obs.
Comment	The evidence provided was site specific however the indicator requires relevant catchment best practice for water governance. The site did not provide evidence of catchment best practice. Evidence provided: 'Att 31 BMPs adopted in the site'	
1.8.2	<i>Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.</i>	 Yes
Comment	Water free urinals, ETP treated water for gardening, treated domestic wastewater is used for toilet flushing are some of the best practices identified for less total water use and efficiency. Evidence provided: 'Att. 31 BMPs adopted in the site'	
1.8.3	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	 in progress

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Comment	<p>The following are best practices identified to improve water quality on site:</p> <ul style="list-style-type: none">- New Ozone plant at WWTP for tertiary treatment- Gardening water demand is met with ETP treated water only.- WWTP RO water is using for HVAC Plant cooling tower <p>Quality of treated wastewater has been found to be below the discharge limits as per the evidence provided; 'Att 8b Wastewater analyses test reports'.</p> <p>Catchment best practice for water quality was not identified especially regarding Total Coliform contamination found in raw drinking water.</p> <p>Evidence provided Att 8b Wastewater analyses test reports Att 31 BMPs adopted in the site.</p>	<p>Finding No: TNR-003356</p>
1.8.4	<p><i>Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.</i></p>	<p> No</p>
Comment	<p>'Site has implemented various management measures for maintenance of IWRA within site such as periodic inspection and cleaning.</p> <p>Evidence provided Att 31 BMPs adopted in the site.</p>	<p>Finding No: TNR-003016</p>
1.8.5	<p><i>Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.</i></p>	<p> No</p>
Comment	<p>Water free urinals and treated domestic wastewater used for toilet flushing and floor cleaning are best practices identified for site provision of WASH.</p> <p>Best practice for water quality was not identified especially regarding Total Coliform contamination found in raw drinking water.</p> <p>Evidence provided: Att 31 BMPs adopted in the site.</p>	<p>Finding No: TNR-003021</p>

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2 STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	<i>Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.</i>
2.1.1	<p><i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i></p> <ul style="list-style-type: none"> - <i>That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes</i> - <i>That the site implementation will be aligned to and in support of existing catchment sustainability plans</i> - <i>That the site's stakeholders will be engaged in an open and transparent way</i> - <i>That the site will allocate resources to implement the Standard.</i>
Comment	<p>'Written Commitment was made by the senior management of the site.</p> <p>Evidence provided: 'Att. 32 Commitment Statement signed by Plant Manager'</p>
2.1.2	<p><i>Advanced Indicator</i></p> <p><i>A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization's senior-most executive or governance body and publicly disclosed shall be identified.</i></p>
Comment	<p>'Written Commitment was made by the senior management of the site but there was no evidence that it was publicly disclosed.</p> <p>Evidence provided: 'Att. 32 Commitment Statement signed by Plant Manager'</p>
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>
2.2.1	<p><i>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</i></p> <ul style="list-style-type: none"> - <i>Identification of responsible persons/positions within facility organizational structure</i> - <i>Process for submissions to regulatory agencies.</i>
Comment	<p>'The site use KOME risk software for tracking and monitoring the regulatory compliance of the facility. Relevant permits comprise water extraction from private wells and wastewater discharge. All permits are valid and followed up by the water management team.</p> <p>(Att. 33 list of applicable regulations on water & waste water)</p>
Finding No: TNR-003022	
2.3	<i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i>
2.3.1	<p><i>A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.</i></p>

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Comment The evidence provided does not fulfil the requirement for a water stewardship strategy that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.

(Att. 34 SVA Report 2021)
(Att. 34a SVA Report 2018)

Finding No: TNR-003023


2.3.2 *A water stewardship plan shall be identified, including for each target:*
 - How it will be measured and monitored
 - Actions to achieve and maintain (or exceed) it
 - Planned timeframes to achieve it
 - Financial budgets allocated for actions
 - Positions of persons responsible for actions and achieving targets
 - Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.

 closed

Comment The Water Stewardship Plan provided did not meet the following requirements:
 - How each target will be measured and monitored
 - the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.

Finding No: TNR-003026

2.3.3 *Advanced Indicator*
The site's partnership/water stewardship activities with other sites within the same catchment (which may or may not be under the same organisational ownership) shall be identified and described.


 Yes

Comment 'Site has undertaken a stakeholder identification which includes HCCBPL, an adjacent facility, as a beginning site and has shared its willingness to discuss on the shared water challenges within the catchment.

(Att. 35 Letter to stakeholders on AWS implementation)
(Att. 4 External stakeholder mapping)


Score 4

2.3.4 *Advanced Indicator*
The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be identified.

 No

Comment There was no evidence to show the site's partnership/water stewardship activities with other sites in another catchment(s).


2.3.5 *Advanced Indicator*
Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.

 No

Comment There was no evidence provided to show stakeholder consensus sought on the site's water stewardship plan. Consensus was not achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved were not identified.

2.4 *Demonstrate the site's responsiveness and resilience to respond to water risks*


2.4.1 *A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.*

 No

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Comment	A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies was not identified.	Finding No: TNR-003030
2.4.2	<i>Advanced Indicator</i> <i>A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</i>	 No
Comment	A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies was not identified. (Att. 27 Predicted future water risk) (Att.5 Emergency Response Plan)	Finding No: TNR-003034

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3 STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts	
3.1	<i>Implement plan to participate positively in catchment governance.</i>
3.1.1	<i>Evidence that the site has supported good catchment governance shall be identified.</i> ✔ closed
Comment	Client did not provide evidence to show that the site has supported good catchment governance. Finding No: TNR-003035
3.1.2	<i>Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.</i> ➤ No
Comment	There was no evidence to show that measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 were implemented. Finding No: TNR-003036
3.1.3	<i>Advanced Indicator Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified.</i> ➤ No
Comment	Client did not provide evidence of improvements in water governance capacity from a site-selected baseline date.
3.1.4	<i>Advanced Indicator Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment shall be identified.</i> ➤ No
Comment	There was no evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment.
3.2	<i>Implement system to comply with water-related legal and regulatory requirements and respect water rights.</i>
3.2.1	<i>A process to verify full legal and regulatory compliance shall be implemented.</i> ➤ in progress
Comment	'Audit reports such as SVA/WMP, ISO 14001 and GAO are in place. Also, site has implemented a digital compliance monitoring system (KOME Risk) for effective monitoring of legal compliance. (Att. 33 list of applicable regulations on water & wastewater) Finding No: TNR-003357
3.2.2	<i>Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.</i> ✔ Yes
Comment	'The water extraction permit reflects the overall situation for this part of the catchment and regulates the water extraction from private wells for the plant. The extraction wells are provided with the water meter for regular monitoring and recording the extraction. Adhering to the permit requirements meant that the site was respecting water rights of others in the catchment. (Att. 18 Water extraction permit from CGWA) (Att. 19 Waste water permit from PCB)

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3.3	<i>Implement plan to achieve site water balance targets.</i>	
3.3.1	<i>Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.</i>	 closed
Comment	The water stewardship plan did not clearly show water balance as a target therefore status of progress towards meeting water balance targets set in the water stewardship plan could not be assessed.	
		Finding No: TNR-003041
3.3.2	<i>Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.</i>	 in progress
Comment	There were no targets set to improve the site's water use efficiency however page 24 of the SVA 2021 documents outlines the implementation of water saving measures.	
		Finding No: TNR-003377
3.3.3	<i>Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.</i>	 in progress
Comment	'Treated wastewater is being re-infiltrated at the site and recharges the uppermost aquifer. (Att. 19 Waste water permit from PCB)	
		Finding No: TNR-003368
3.3.4	<i>Advanced Indicator The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified.</i>	 Yes
Comment	'Re-allocated water quantities are shown in the SVA 2021 pages 23 to 25. Gardening water demand is met with ETP treated water only. Treated sewage is used for toilet flushing and floor cleaning. Homogenizer cooling water reuse in Boiler feed water top up. Treated water which is used for mix tank calibration is reusing in HVAC plant Cooling tower. (Att. 37 SVA Report 2021)	
Score	6	
3.4	<i>Implement plan to achieve site water quality targets</i>	
3.4.1	<i>Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.</i>	 closed
Comment	Water quality was identified in the water stewardship plan however there were no targets set therefore it was not possible to assess progress towards meeting these targets. The SVA 2021 report is provided as evidence, but it is a 97-page document and it's impossible to assess how the indicator was met. Page 54 of SVA 2021 indicates that there is a trend analysis of monitoring results, but no trends were shared. Only one set of results was shared in the following attachment Att_8a_Raw_water_test_reports' dated 20 May 2021. Evidence provided: Att 37 CC India - SVA-WMP CPS Pune 2021 Att_8a_Raw_water_test_reports	
		Finding No: TNR-003281

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3.4.2 *Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.* ✔
Yes

Comment 'Wastewater is monitored and regularly being analyzed after treatment and prior to the re-use. Wastewater has to comply with limits given in the permit. No exceedances were reported.

Evidence provided:
Att 37 CC India - SVA-WMP CPS Pune 2021 - page 53 to 55
Att_8b_Wastewater_analyses_test_reports
Att 19 Consent from MPCB

3.5 *Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.*

3.5.1 *Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.* ↗
No

Comment 'Site has identified the IWRAs located within the site & catchment and performed the assessment to identify the current status & practise that are in place to maintain the IWRAs.

(Att. 10 Assessment Paper on IWRAs within the site)
(Att. 20 Assessment Paper on IWRAs within the catchment)

Finding No: TNR-003044

3.5.2 *Advanced Indicator
Evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including where appropriate cultural values from a site-selected baseline date shall be identified. Restored areas may be outside of the site, but within the catchment.* ↗
No

Comment 'Site maintains the IWRAs located within the site in a good condition and its maintenance is a routine practice that are in place. This indicates the healthy status of the IWRAs located within the site.

The site failed to record evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including where appropriate cultural values from a site-selected baseline date for catchment area.

(Att. 10 Assessment Paper on IWRAs within the site)

3.5.3 *Advanced Indicator
Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be identified.* ↗
No

Comment The site failed to provide evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment.







(Att. 31 CGWA Compliance submission)

3.6 *Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.*

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3.6.1	<i>Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.</i>	 Obs.
Comment	<p>'All workers on site have access to sanitary facilities and clean drinking water. Site has also prepared a detailed assessment paper on the adequacy of the WASH facility with comparison to best practices and international benchmark.</p> <p>(Att. 13 Assessment paper on WASH facility within the Site)</p>	
3.6.2	<i>Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.</i>	 closed
Comment	<p>'Yield data of two wells are shown in the SVA 2021. Monitoring data of the water level and water quantities are in place.</p> <p>(Att. 37 SVA 2021 Report) (Att. 18 Water extraction permit from CGWA) (Att. 17 Catchment Water balance)</p>	
Finding No: TNR-003051		
3.6.3	<i>Advanced Indicator A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness shall be identified.</i>	 No
Comment	<p>'Site has identified the list of actions to be undertaken for the year 2022 & 2023. The actions listed have not been undertaken.</p> <p>(Att. 26 List of shared Water Challenges & Potential Opportunity for improvement)</p>	
3.6.4	<i>Advanced Indicator: In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.</i>	 No
Comment	<p>No evidence was provided to show that in catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation was identified.</p>	
3.7	<i>Implement plan to maintain or improve indirect water use within the catchment:</i>	
3.7.1	<i>Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.</i>	 in progress
Comment	<p>Site has undertaken the supplier mapping exercise to identify the supplier location and their potential water demand. There are no suppliers of primary inputs/services situated within the site's catchment. Hence not applicable, however site has identified the potential suppliers outside the catchment and initiated the discussion on water consumption.</p> <p>(Att. 14 Document evaluation on Vendor location and their water risk)</p>	
Finding No: TNR-003058		
3.7.2	<i>Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.</i>	 in progress

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Comment There was no evidence provided to show engagement with suppliers as well as actions they have taken in the catchment as a result of the site's engagement related to indirect water use.
Finding No: TNR-002884

3.7.3 *Advanced Indicator*
Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented and evaluated. 🚩 No

Comment There was no evidence to show that actions taken by the site to address water related risks and challenges related to indirect water use outside the catchment had been documented and evaluated.

3.8 *Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.*

3.8.1 *Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.* ✅ closed

Comment No evidence was provided showing engagement and the key messages relayed with confirmation of receipt.
Finding No: TNR-003302

3.9 *Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.*

3.9.1 *Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.* ✅ Yes

Comment Evidence provided -
Att 31 BMPs adopted in the site

The client provided the following items as best practice related to water governance:
Gardening water demand is met with ETP treated water only.
Treated domestic wastewater is used for toilet flushing and floor cleaning.
Water free Urinals
Prompt identification and arresting of leakages.
Homogenizer cooling water reuse in oiler feed water top up.
Implemented Sensor based water tap with aerator in wash basin.

All these actions are aimed at meeting the permit requirements for abstraction.

3.9.2 *Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.* 🔍 Obs.

Comment Evidence provided -
Att 31 BMPs adopted in the site





The client provided the following items as best practice related to water balance:
Gardening water demand is met with ETP treated water only.
Treated domestic wastewater is used for toilet flushing and floor cleaning.
Water free Urinals
Prompt identification and arresting of leakages.
Homogenizer cooling water reuse in oiler feed water top up.
Implemented Sensor based water tap with aerator in wash basin.

All these actions are aimed at increasing efficiency and recycle.

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3.9.3	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 Obs.
Comment	<p>Evidence provided - Att 31 BMPs adopted in the site</p> <p>The client provided the following items as best practice related to water quality:</p> <p>Gardening water demand is met with ETP treated water only. Treated domestic wastewater is used for toilet flushing and floor cleaning. WWTP RO water is using for HVAC Plant cooling tower New Ozone plant at WWTP for tertiary treatment New RO of higher capacity for production water</p> <p>All these actions are aimed at improving the quality of water recharging the aquifer when used for gardening.</p>	
3.9.4	<i>Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.</i>	 Obs.
Comment	<p>The best practice adopted for Important Water-Related Areas was periodic inspection of Bore well, Piezometric wells & RWH structures.</p> <p>Evidence provided: Att 37 CC India - SVA-WMP CPS Pune 2021 Att 31 BMPs adopted in the site</p>	
3.9.5	<i>Actions towards achieving best practice related to targets in terms of WASH shall be implemented.</i>	 Obs.
Comment	<p>The best practice adopted for WASH was as follows: Treated domestic wastewater is used for toilet flushing and floor cleaning. Water free Urinals Prompt identification and arresting of leakages. Implemented Sensor based water tap with aerator in wash basin. Periodic inspection of Bore well, Piezometric wells & RWH structures.</p>	
3.9.6	<i>Advanced Indicator Achievement of identified best practice related to targets in terms of good water governance shall be quantified.</i>	 Yes
Comment	<p>Achievement of identified best practice related to targets in terms of good water governance was quantified in terms of saved water m3/year as follows:</p> <p>Gardening water demand is met with ETP treated water only - 6592m3/year. Treated domestic wastewater is used for toilet flushing and floor cleaning - 2040m3/year. Water free Urinals - 131m3/year. Homogenizer cooling water reuse in oiler feed water top up - 135m3/year. Implemented Sensor based water tap with aerator in wash basin - 118m3/year.</p> <p>Evidence provided: Att 37 CC India - SVA-WMP CPS Pune 2021 page 24 Att 31 BMPs adopted in the site</p>	
Score	8	
3.9.7	<i>Advanced Indicator Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified.</i>	 Yes

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Comment	<p>Achievement of identified best practice related to targets in terms of sustainable water balance was quantified in terms of saved water m³/year as follows:</p> <p>Gardening water demand is met with ETP treated water only - 6592m³/year. Treated domestic wastewater is used for toilet flushing and floor cleaning - 2040m³/year. Water free Urinals - 131m³/year. Homogenizer cooling water reuse in oiler feed water top up - 135m³/year. Implemented Sensor based water tap with aerator in wash basin - 118m³/year.</p> <p>Evidence provided: Att 37 CC India - SVA-WMP CPS Pune 2021 page 24 Att 31 BMPs adopted in the site</p>	
Score	8	
3.9.8	<p><i>Advanced Indicator</i> <i>Achievement of identified best practices related to targets in terms of water quality shall be quantified</i></p>	 Yes
Comment	<p>Achievement of identified best practice related to targets in terms of water quality was quantified in terms of saved water m³/year as follows:</p> <p>Gardening water demand is met with ETP treated water only - 6592m³/year. Treated domestic wastewater is used for toilet flushing and floor cleaning - 2040m³/year.</p> <p>Evidence provided: Att 37 CC India - SVA-WMP CPS Pune 2021 page 24 Att 31 BMPs adopted in the site</p>	
Score	8	
3.9.9	<p><i>Advanced Indicator</i> <i>Achievement of identified best practices related to targets in terms of the site's maintenance of Important Water-Related Areas have been implemented.</i></p>	 No
Comment	<p>The client did not provide evidence of implementation of actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas therefore achievement was not quantified.</p>	
3.9.10	<p><i>Advanced Indicator</i> <i>Achievement of identified best practice related to targets in terms of WASH shall be quantified.</i></p>	 Yes
Comment	<p>Achievement of identified best practice related to targets in terms of WASH was quantified in terms of saved water m³/year as follows:</p> <p>Treated domestic wastewater is used for toilet flushing and floor cleaning - 2040m³/year. Water free Urinals - 131m³/year. Implemented Sensor based water tap with aerator in wash basin - 118m³/year.</p> <p>Evidence provided: Att 37 CC India - SVA-WMP CPS Pune 2021 page 24 Att 31 BMPs adopted in the site</p>	
Score	4	
3.9.11	<p><i>Advanced Indicator</i> <i>A list of efforts to spread best practices shall be identified.</i></p>	 No
Comment	<p>No evidence was provided of identified list of efforts to spread best practices.</p>	

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3.9.12	<i>Advanced Indicator</i> <i>A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be identified.</i>	 No
Comment	No evidence was provided of identified list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site.	
3.9.13	<i>Advanced Indicator</i> <i>Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.</i>	 No
Comment	The client did not provide evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action.	

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4 STEP 4: EVALUATE - Evaluate the site's performance.		
4.1	<i>Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.</i>	
4.1.1	<i>Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.</i>	in progress 
Comment	The site did not provide evidence of performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes evaluated. Finding No: TNR-002887	
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>	in progress 
Comment	The site failed to show any evidence of Value creation resulting from the water stewardship plan. Finding No: TNR-002886	
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>	in progress 
Comment	The site failed to show any evidence of identified and quantified, shared value benefits in the catchment. Finding No: TNR-002888	
4.1.4	<i>Advanced Indicator A governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents shall be identified.</i>	No 
Comment	The site failed to provide evidence of a governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents.	
4.2	<i>Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.</i>	
4.2.1	<i>A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.</i>	in progress 
Comment	The site has not prepared a written annual review and root-cause analysis of the year's emergency incident(s) and the site's response to the incident(s) evaluated and proposed preventative and corrective actions and mitigations against future incidents identified. Finding No: TNR-002889	
4.3	<i>Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.</i>	
4.3.1	<i>Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.</i>	in progress 

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Comment	The site failed to show any evidence of Consultation efforts with stakeholders on the site's water stewardship performance.	Finding No: TNR-003076
4.3.2	<i>Advanced Indicator</i> <i>The site's efforts to address shared water challenges shall be evaluated by stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.</i>	 No
Comment	No evidence was provided to show the site's efforts to address shared water challenges being evaluated by stakeholders. This needed to include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.	
4.4	<i>Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.</i>	
4.4.1	<i>The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.</i>	 in progress
Comment	No evidence was provided to show the site's water stewardship plan was modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and that these changes were identified.	Finding No: TNR-002890

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5 STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts	
5.1	<i>Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.</i>
5.1.1	<i>The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.</i> 🚩 No
Comment	There was no evidence provided to show that the site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations were disclosed. <p style="text-align: right;">Finding No: TNR-003079</p>
5.2	<i>Communicate the water stewardship plan with relevant stakeholders.</i>
5.2.1	<i>The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.</i> 🚩 in progress
Comment	No evidence was provided to show that the water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, was communicated to relevant stakeholders. <p style="text-align: right;">Finding No: TNR-002892</p>
5.3	<i>Disclose annual site water stewardship summary, including: the relevant information about the site's annual water stewardship performance and results against the site's targets.</i>
5.3.1	<i>A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.</i> 🚩 in progress
Comment	There was no evidence provided to show a summary of the site's water stewardship performance, including quantified performance against targets, disclosed annually at a minimum. <p style="text-align: right;">Finding No: TNR-002893</p>
5.3.2	<i>Advanced Indicator The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.</i> 🚩 No
Comment	No evidence was provided to show the site's efforts to implement the AWS Standard was disclosed in the organization's annual report.
5.3.3	<i>Advanced Indicator Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.</i> 🚩 No
Comment	No evidence was provided to show the benefits to the site and stakeholders from implementation of the AWS Standard quantified in the organization's annual report.
5.4	<i>Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.</i>
5.4.1	<i>The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.</i> 🚩 in progress

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Comment	No evidence was provided to show the site's shared water-related challenges and efforts made to address these challenges disclosed.	Finding No: TNR-002894
5.4.2	<i>Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.</i>	in progress 
Comment	There was no evidence provided to show the efforts made by the site to engage stakeholders and coordinate and support public-sector agencies were identified.	Finding No: TNR-002895
5.5	<i>Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.</i>	
5.5.1	<i>Any site water-related compliance violations and associated corrections shall be disclosed.</i>	No 
Comment	The site did not provide evidence to show that any site water-related compliance violations and associated corrections were disclosed.	Finding No: TNR-003083
5.5.2	<i>Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.</i>	in progress 
Comment	There was no evidence to show that necessary corrective actions taken by the site to prevent future occurrences were disclosed if applicable.	Finding No: TNR-003376
5.5.3	<i>Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.</i>	in progress 
Comment	No evidence was provided to show that any site water-related violation that may pose significant risk and threat to human, or ecosystem health was immediately communicated to relevant public agencies and disclosed.	Finding No: TNR-002896

Photographic Evidence from Audit

Comment	The site pics are included in documents	 Yes
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