

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-001815

SITE DETAILS

Site: **ABB India Limited**

Address: Survey No. 88/3, 88/4, Nelamangala Road, Basavana Halli, Kasaba Hobli, 562123, Bengaluru rural (Nelamangala), Karnataka, INDIA

Contact Person: Rajesh Jha

AWS Reference Number: AWS-000876

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Gold

Date of certification decision: 2025-Dec-19

Validity of certificate: 2028-Dec-18

AUDIT DETAILS

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

Audit Type(s): Initial Audit

Audit Start Date: 2025-Oct-13

Audit End Date: 2025-Oct-16

Lead Auditor: Amit Singh

Site Participants:

Guru Raj, Other

Naresh Meravala, Other

Jeevan Kumar S., Other

Rajesh Kr. Jha, Other

Mahesh Sharma, Other

Yathish Chinnappa, Other

Vimal S. Sharma, Other

Jagruti Sharma, Other

Ashutosh Mishra, Other

Raghu Swamy P., Other

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ADDITIONAL INFO

Summary of Audit Findings: During the certification audit, 24 non-conformities and 13 observations were raised.

The Client is requested to submit a root cause analysis and corrective actions for each of the non-conformities to WSAS within 7 days of receipt of the audit report, by 26 November 2025.

The non-conformities must be closed within 90 days of the end of the audit. Due to the number of non-conformities, a remote further assessment is needed to assess implementation of corrective actions, to be scheduled before 14 January 2026. Evidence is to be submitted at least a week before the further assessment.

The audit team recommends certification of ABB India Ltd., Nelamangala site at Gold level pending closure of the non-conformities during the further assessment.
The Site has successfully closed all Non-conformities.

Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of ABB India Limited, Nelamangala factory against the AWS International Water Stewardship Standard Version 2.

ABB India Limited, located on a 55,960.53 Square meter at Survey No. 88/3 & 88/6, Basavanahalli Village, Nelamangala Taluk, in the Bengaluru Rural District the plant is situated in a wayland surrounded by several existing industries. The nearest airport to site, i.e. Kempegowda International Airport is around 55 kms away from site. The entire Nelamangala taluk is categorized as plains of denudational origin. Low to medium dissected hillocks and valleys also occur as patches in the taluk.

Total no. of employees is around 1800 including skilled, semi-skilled and unskilled workers, supervisors, engineers, managers, and administrative staff.

ABB India Limited produces Drives Panel, Air Circuit Breakers (ACB), Moulded Case Circuit Breakers (MCCB), MCB, HCR, SES, Traction convertors, Switch Fuse Units (SFU), Switches, UPS, RCCB, Contactors, Relays & Robotics which are mainly used by several process industries, power generation plants and railways etc.

The source of water for site is groundwater which is extracted through 2 nos. of installed bore wells to meet its 50 KLD freshwater needs. The company recycles water for green belt development and non-domestic uses, which helps reduce the demand for freshwater.

The audit was conducted onsite from 13th to 16th October 2025.

The onsite site visit included the assessment of 2 nos. of borewells, water storage sump room, piezometer, rainwater harvesting ponds and recharge pits, sewage treatment plant, diesel storage area, chemical storage area, etc. that were visited onsite as part of the audit.

FINDINGS

NUMBER OF FINDINGS PER LEVEL

Observation	26
Non-Conformity	11

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FINDING DETAILS

Finding No:	TNR-020848
Checklist Item No:	1.2.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	<p>Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:</p> <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:	Site did not identify any women groups, minority or vulnerable people in the catchment.
Corrective action:	<p>"- Conduct a targeted assessment within the catchment to specifically identify any women's self-help groups, minority community organisations, or other vulnerable populations</p> <p>- Enhance documentation to clearly articulate how identified vulnerable groups (e.g., school children, potential tribal populations) are categorised and engaged within the catchment.</p> <p>- Engage with identified group across the year to understand challenges and opportunities relating to water, these can then be incorporated into the Water Stewardship Plan once identified"</p>
Evidence of implementation:	Attached
Finding No:	TNR-020849
Checklist Item No:	1.2.2
Status:	Open
Finding level:	Observation
Checklist item:	<p>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.</p>
Findings:	<p>The potential degree of influence between stakeholder and site have not been identified adequately as the influence of most of the stakeholders have been identified as medium, but the influence of these stakeholders may be low, e.g. for the suppliers.</p>

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Finding No:	TNR-021215
Checklist Item No:	1.3.1
Status:	Open
Finding level:	Observation
Checklist item:	Existing water-related incident response plans shall be identified.
Findings:	Site has also prepared a document covering other water related emergency incidents but does not specifically cover the response for these incidents.
Finding No:	TNR-020851
Checklist Item No:	1.3.2
Status:	Open
Finding level:	Observation
Checklist item:	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped
Findings:	The site water balance does not include water storages and water consumed in different sections at site.
Finding No:	TNR-021307
Checklist Item No:	1.3.3
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	The presented water balance is very basic and does not capture the major sections of water use, e.g. site has mentioned that there are 40 Air handling unit using water for cooling purpose, but there is no quantification of the water use for cooling.

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Finding No:	TNR-020853
Checklist Item No:	1.3.4
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
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:	Water quality is identified as a shared water challenge, but site did not identify annual and seasonal, high or low variances.
Corrective action:	"- Upload chemical analysis of borehole assessments for pre and post-monsoon season. - Undertake additional secondary research analysis relating to water quality close to the site, this will be used as a baseline to understand if outliers or variances occur from the catchment readings. "
Finding No:	TNR-020854
Checklist Item No:	1.3.5
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
Checklist item:	Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.
Findings:	Site did not identify and map all the potential sources of pollution at site such as the day storage tanks for diesel, etc. During the site walkthrough, oil leakage from truck was observed, which will lead to mixing with the storm water and polluting the Water stream / IWRA in the catchment
Corrective action:	"- Update site pollution map to include all relevant sources of potential pollution. - Site to remind employees on spill containment and clean up procedure."

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Finding No:	TNR-020855
Checklist Item No:	1.3.6
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.
Findings:	<p>Most of the identified IWRA's are water related infrastructures. Site is required to understand the difference between water related infrastructure and Important Water Related Area and thereafter identify the IWRAs.</p> <p>Also, site did not provide a description of the status of the identified IWRAs including the values associated with the identified IWRA's.</p>
Corrective action:	<p>"- Site has reviewed the criteria of identifying an IWRA and produced a comprehensive list of the areas within the site</p> <p>- Site has assigned a status to each of the identified IWRAs</p> <p>- Site has added an explanation as to why each has been identified as an IWRA, per the guidance and removed reference to items defined as infrastructure rather than an IWRA."</p>
Finding No:	TNR-020856
Checklist Item No:	1.4.2
Status:	Open
Finding level:	Observation
Checklist item:	The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.
Findings:	Site has not identified all outsourced service providers for site. There are other outsourced service providers in the catchment, e.g. transport service providers.
Finding No:	TNR-020786
Checklist Item No:	1.5.3
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.
Findings:	<p>Site has presented the considerations for water balance but did not provide the catchment water balance.</p> <p>Other partial information for Nelamangala taluk was provided but it does not capture the catchment water balance.</p>
Corrective action:	<p>- Develop a catchment water balance utilising different secondary sources than those tried initially.</p> <p>- Map inputs, outputs and storage of water within the catchment to identify seasonal variations and the overall water balance catchment."</p>

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Finding No:	TNR-020857
Checklist Item No:	1.5.4
Status:	In Progress - CA plan approved
Finding level:	Observation
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:	The site has not identified or quantified water quality at the catchment level as required by AWS 1.5.4. Monitoring and quantification of water quality in the receiving water body (e.g., TG Halli reservoir or stormwater discharge point) have not been provided. Only site-level (drinking water and effluent) data are available. Furthermore, annual and seasonal high and low variances of water quality have not been identified.
Corrective action:	"- Conduct an assessment to understand catchment water quality risks and its potential contributions, reviewing secondary data from representative locations such as the Nelemangala lake, Hesaraghatta lake and the River Arkavathi at the TG Halli reservoir. - Select key parameters (salinity, nitrates, phosphates) to establish a water quality baseline, and water usage activities. - Examine annual and seasonal variances in water quality, utilising two years of pre-monsoon and post-monsoon secondary data (2024 and 2025) to evaluate parameters like Electrical Conductivity (EC), Total Hardness, BOD, and microbial counts."
Finding No:	TNR-020858
Checklist Item No:	1.5.5
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	The status of all of the identified IWRAs is not assessed.

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Finding No:	TNR-020859
Checklist Item No:	1.5.6
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
Checklist item:	Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.
Findings:	As the existing water-related infrastructures are not adequately identified, therefore the condition of water related infrastructures is not identified.
Corrective action:	"- Refine list of relevant water related infrastructures - Assign conditions to the identified infrastructures and document - Provide an understanding into condition and usage of the infrastructures"
Finding No:	TNR-020792
Checklist Item No:	1.5.9
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
Checklist item:	Advanced Indicator The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.
Findings:	Site did not identify the adequacy of WASH provision within the catchments of origin of primary inputs.
Corrective action:	"- Contact suppliers of primary inputs representing more than 5% of the costs of the site as defined by the AWS guidance to understand the WASH provision within their catchment. - If information can not be gathered directly from the suppliers, alternate secondary sources of information will be utilised to obtain the information"

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Finding No:	TNR-020860
Checklist Item No:	1.6.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
Checklist item:	Initiatives to address shared water challenges shall be identified.
Findings:	To address shared water challenges, site has only identified the initiatives taken up by site. Site did not identify if there are other initiatives in the catchment.
Corrective action:	"- Connect with surrounding industries to understand which initiatives they are part of. - Document and consolidate the initiatives being taken up locally and understand if ABB can work alongside any of these towards water stewardship objectives - Incorporate initiatives into Water Stewardship Plan where appropriate for FY26 targets"
Finding No:	TNR-020795
Checklist Item No:	1.6.4
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Advanced Indicator Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.
Findings:	Potential water-related social impacts from the site have not been identified. Site has mentioned that there is a plan for a social impact assessment study.
Corrective action:	"- Document the plan clearly to outline how the social impact study for water related activities will be undertaken. - Provide a timeline for how the social impact assessment will be undertaken over the FY26 year. - Outline what will be assessed as part of the social impact assessment study and include detail as to how this will be undertaken and the engagement types used. "

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Finding No: TNR-020861
Checklist Item No: 1.8.3
Status: Closed
Finding level: Non-Conformity
Due date: 2026-Jan-14
Checklist item: Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.
Findings: Site did not identify any relevant best practice for water quality for the sector /or catchment.
Corrective action: "- Review and identify best practices for water quality management within the catchment
- Evaluate and monitor identified best practice for relevance for the site
- Incorporate relevant best practice into the Water Stewardship Plan where appropriate and continue to evaluate new best practices within the industry and catchment for advancement and collaboration opportunity

Finding No: TNR-020862
Checklist Item No: 1.8.4
Status: Closed
Finding level: Non-Conformity
Due date: 2026-Jan-14
Checklist item: Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.
Findings: Site has only identified the activities which they are implementing but did not identify any relevant possible catchment best practice for maintenance / improvement of Important Water-Related Areas identified in the catchment.
Corrective action: "- Review and identify additional best practices for IWRA maintenance within the catchment and at site level
- Evaluate and monitor identified best practice for relevance for the site
- Incorporate relevant best practice into the Water Stewardship Plan where appropriate and continue to evaluate new best practices within the industry and catchment for advancement and collaboration opportunity "

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Finding No:	TNR-021316
Checklist Item No:	2.2.1
Status:	Open
Finding level:	Observation
Checklist item:	<p>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</p> <ul style="list-style-type: none">- Identification of responsible persons/positions within facility organizational structure- Process for submissions to regulatory agencies.
Findings:	<p>Site has mentioned about a portal in which the site maintains the compliance conditions, but it does not capture the compliance conditions as per groundwater NOC from KGWA and Consent To Operate from Pollution Control Board.</p>

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Finding No:	TNR-020863
Checklist Item No:	2.3.2
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	<p>A water stewardship plan shall be identified, including for each target:</p> <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:	<p>There are a no. of targets set in the water stewardship plan which are regular maintenance / cleaning / monitoring activities / compliance requirements, that need not be part of water stewardship plan. It is not clear that with implementation of the actions set in the water stewardship plan, how and which water stewardship outcome will be achieved. Site should focus on setting up of targets on S.M.A.R.T. principle, which are specific, measurable, achievable, realistic and time-based.</p> <p>The water stewardship plan does not clearly mention how the targets will be measured and monitored and does not specify the positions of persons responsible for actions and achieving targets, instead the name of department(s) is mentioned.</p> <p>For indirect water use targets, site did not set the indirect water use target for site, instead site has set targets on four of its suppliers.</p>
Corrective action:	<p>"- Site has removed and addressed targets that were related to the regular maintenance, cleaning, monitoring and compliance requirements, and ensured that targets set are additive to the actions currently being undertaken and identified as BAU operations.</p> <p>-The site has updated the water stewardship plan to clearly reflect the water stewardship outcomes identified within the AWS guidance, this has been complete as a separate column within the document for clarity.</p> <p>- The site has amended targets set, refining them to have a SMART focus and ensuring that the targets set are realistic and obtainable outcomes to be complete within expected timeframes.</p> <p>- The site has added extra detail to link monitoring and evaluation plans to the water stewardship plan to demonstrate clearer measurement and monitoring for each of the targets.</p> <p>- As part of updating the monitoring and evaluation plans the site added further detail as to whom was responsible for the monitoring and evaluation by including specific roles and names of individuals,</p> <p>- The site has set an indirect water use target for the site, using guidance from AWS and the auditor to amend and redefine a targets to ensure compliance with the need for an indirect usage site level target.</p> <p>"</p>

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Finding No:	TNR-021646
Checklist Item No:	2.3.3
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	The site could further align with the intent of Advanced 2.3.3 by exploring or documenting collaborative water stewardship actions jointly undertaken with other sites or external stakeholders in the catchment.
Finding No:	TNR-021647
Checklist Item No:	2.3.4
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	The site could enhance alignment with Advanced Indicator 2.3.4 by developing or evidencing joint actions or partnerships with other sites or external actors in different catchments, beyond internal exchange of information.
Finding No:	TNR-020816
Checklist Item No:	2.4.1
Status:	In Progress - CA plan approved
Finding level:	Observation
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:	Site did not develop a plan in co-ordination with relevant public-sector and infrastructure agencies to mitigate or adapt to identified water risks.
Corrective action:	"- Contact relevant public sector and infrastructure agencies to hold meetings with them to understand the planning implemented as part of mitigation and adaptation of water risks. - Compile minutes of the meetings held and interpret the discussion - Develop a plan with the relevant public sector and infrastructure bodies identifying key water risks and potential collaborations for identification. - Develop a plan to regularly meet with the relevant agencies to update the plan and regularly assess where collaborations could arise to target the risks identified. "

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Finding No:	TNR-020817
Checklist Item No:	2.4.2
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Advanced Indicator 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.
Findings:	Site did not develop a plan in co-ordination with relevant public-sector and infrastructure agencies to mitigate or adapt to water risks associated with climate change projections.
Corrective action:	"- Contact relevant public sector and infrastructure agencies to hold meetings with them to understand the planning implemented relating to water risks as part of their climate projections. - If specific climate change projections are not available, site will use secondary research to understand key challenges and risks stemming from differing climate scenarios - Compile minutes of the meetings held and interpret the discussion - Develop a plan with the relevant public sector and infrastructure bodies identifying key water risks and potential collaborations for identification, utilising the risks and opportunities presented across different climate scenarios. - Develop a plan to regularly meet with the relevant agencies to update the plan and regularly assess where collaborations could arise to target the risks identified. "
Finding No:	TNR-020864
Checklist Item No:	3.4.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.
Findings:	As such site has not set any specific water quality targets other than to maintain the water quality as per norms.
Corrective action:	"- Define water targets related to water quality, focussing on UF facilities and sand/carbon filtration being implemented at the site. - Establish monitoring procedures for these targets - Complete the Water Stewardship Plan to reflect the targets set. "

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Finding No:	TNR-020823
Checklist Item No:	3.4.2
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	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.
Findings:	Water quality is identified as a shared water challenge. But, there have been no actions related to continual improvement of site's effluent. Site has mentioned that they have initiated a action to install UF in the STP so as to further use it for flushing but the improvement in the site's effluent could not be demonstrated.
Corrective action:	<ul style="list-style-type: none">- Set a target around water quality improvement.- Send water sampled to verified laboratory to provide evidence of the differences in water quality (improvement) from the installation of sand/carbon filters within the rainwater harvesting process.- Develop target relating to water quality improvements stemming from the installation of the UF in the STP and work towards that target in 2026. "
Finding No:	TNR-020837
Checklist Item No:	3.7.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.
Findings:	Site has set targets for 4 of its suppliers. However, site has not set the indirect water use targets for ABB Nelamangala site w.r.t. the total indirect water use consumption of suppliers and service providers.
Corrective action:	<ul style="list-style-type: none">- Revise the supplier specific target to focus on indirect water usage and the potential to reduce water usage within this area.- Update Water Stewardship Plan accordingly."
Finding No:	TNR-020865
Checklist Item No:	3.8.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.
Findings:	Site has not provided evidence on engaging with and notifying the owners of any shared water-related infrastructure of any concerns the site may have.
Corrective action:	<ul style="list-style-type: none">- Identify relevant shared water-related infrastructure- Engage with relevant owners and raised any concerns that are identified"

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Finding No:	TNR-020838
Checklist Item No:	3.9.3
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
Checklist item:	Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.
Findings:	There were no actions taken by site towards achieving best practice related to water quality as the site did not identify relevant best practices for water quality.
Corrective action:	"- Identify best practice relating to water quality. - Determine which best-practice are relevant and appropriate to determine a target around - Set a target and begin the process of taking actions to achieve the target. "
Finding No:	TNR-020866
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:	Site has initiated actions towards the identified borewells in the catchment. The effectiveness of same and other actions taken by site for other IWRAs in the catchment shall be assessed in next audit.
Finding No:	TNR-020846
Checklist Item No:	4.1.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
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 performance of water stewardship plan does not give clarity on what is the contribution of targets / actions to achieving water stewardship outcomes, i.e. evaluation per outcome is missing.
Corrective action:	"- Update the Water Stewardship Plan template to include reference to all of the 5 AWS outcomes - Evaluate targets and opportunities to determine which outcome the activity/target is contributing towards. - Update throughout the Water Stewardship Plan accordingly. "

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Finding No: TNR-020841
Checklist Item No: 4.1.2
Status: Closed
Finding level: Non-Conformity
Due date: 2026-Jan-14
Checklist item: Value creation resulting from the water stewardship plan shall be evaluated.
Findings: Site did not evaluate the value creation resulting from the water stewardship plan except for the site water balance related targets. For a no. of targets, site has mentioned about the actions taken but did not evaluate the value creation.
Corrective action: "- Engage with the auditor to understand and clarify how best to assign quantitative value to targets in which they had determined there was none.
- If no response from the auditor is received the site will plan the best approach to estimate quantitative value created from imposed actions and targets.
- Complete the Water Stewardship Plan assigning quantitative values as requested. "

Finding No: TNR-020840
Checklist Item No: 4.1.3
Status: Closed
Finding level: Non-Conformity
Due date: 2026-Jan-14
Checklist item: The shared value benefits in the catchment shall be identified and where applicable, quantified.
Findings: Site did not evaluate the shared value benefits achieved from the implementation of targets set in the water stewardship plan.
Corrective action: "- Update the Water Stewardship Plan template to include specific reference to how each of the targets has shared value benefits.
- Assign shared value benefits such as ecosystem services to each of the identified targets to understand the benefit creation."

Finding No: TNR-020847
Checklist Item No: 4.2.1
Status: Open
Finding level: Observation
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: Site has shared a SOP which mentions the procedure of reporting an incident to internal management but does not include the procedure to report to the regulatory authorities.

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Audit Number: AO-001815

Finding No:	TNR-020844
Checklist Item No:	5.2.1
Status:	Open
Finding level:	Observation
Checklist item:	The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.
Findings:	The existing water stewardship plan does not clearly indicate how it contributes to AWS Standard outcomes.
Finding No:	TNR-020843
Checklist Item No:	5.3.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.
Findings:	Site's water stewardship performance is disclosed but it does not include the quantified performance against targets.
Corrective action:	"- Quantify the performance against targets for each of the items within the Water Stewardship Plan. - Publish the Water Stewardship Plan on the website with the relevant changes once the updates have been made. "
Finding No:	TNR-020845
Checklist Item No:	5.4.2
Status:	Open
Finding level:	Observation
Checklist item:	Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.
Findings:	Based on the actions specified in water stewardship plan and performance, there are not much efforts made by the site to coordinate and support public-sector agencies.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-001815

Report Details

Report	Value
Report prepared by	Amit Singh
Report approved by	Ozge Gokmen
Report approved on (Date)	12/11/2025

Surveillance

Proposed date for next audit
2026-Oct-12

Comment The proposed date for the next audit, i.e. Surveillance Audit is 12th October 2026.

Stakeholder Announcements

Date of publication	Location
10/09/2025	Newspaper 1
10/09/2025	Newspaper 2
10/09/2025	ABB website
10/09/2025	AWS website
10/09/2025	WSAS website
Comment	Site has published the stakeholder announcement at their website and in two e-Newspapers. The link for stakeholder announcement at ABB website is https://new.abb.com/docs/librariesprovider19/default-document-library/aws-000876_abb-india_stakeholderannouncement.pdf In addition to the above the stakeholder announcement was also published at AWS and WSAS website. The links for same are: https://a4ws.org/wp-content/uploads/2025/09/AWS-000876_ABB-India_StakeholderAnnouncement.pdf https://watersas.org/wp-content/uploads/2025/09/AWS-000876_ABB-India_StakeAnn_WSAS-Published.pdf

CERTIFICATION REPORT

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Catchment Information

Catchment Information

Site is located in the Arkavathi Catchment.

Water source for the site is groundwater, which is abstracted from two boreholes located within the site premises. Water is used by the site for domestic consumption and cooling purpose as water is not required for manufacturing of products at site. There is no discharge of wastewater from site, The treated wastewater is used within the premises. The stormwater is drained outside the site boundaries which finally discharges to the TG Halli reservoir,

There are mainly two aquifer systems: Aquifer-1 (Phreatic aquifer) comprising weathered Gneiss / Granite/ Schist. Aquifer - II (Fractured multi-aquifer system) comprising Fractured Gneiss / Granite / Schist. The ground water recharge happens in two phases: one is during monsoon season and other is during non-monsoon season.

Most of the basin suffers groundwater depletion, caused by irrigation and urban water supply. Agricultural and urban expansion has reduced forest cover to about 10%, lowering infiltration and groundwater recharge, and intensifying runoff and water scarcity issues. The catchment's tanks and reservoirs show stagnation and reduced water spread, showing impacts of droughts and land use change. Overexploitation of groundwater and reduced surface water flows accelerate the region's water scarcity.

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Client Description and Site Details

Client/Site Background

The ABB Nelamangala site is located at Nelamangala taluk, Bangalore North in the state of Karnataka in India. The nearest city to the site is Bangalore.

The site is located in an Industrial zone near Bangalore (rural area). The ABB Bangalore site primarily manufactures industrial technology products for electrification, motion (motors), robotics, and automation, including specialized equipment like medium voltage switchgear, drives, control panels, and excitation systems used in power generation and industrial applications.

The water infrastructure at the site is primarily used for domestic purposes such as drinking water, wash facilities, in the canteen and for watering plants. Besides, the site utilizes water as part of their Air Handling Unit and within any construction.

There are following water related infrastructures at site:

- 2 nos. of Borewells (for ground water extraction)
- 2 Rainwater treatment filters (Sand & carbon based)
- 1 Sewage Treatment Plant
- 2 Sumps along with sump to capture roof top rainwater
- 20 Rainwater recharge wells (recharge pits)
- 2 Recharge ponds
- 5 cross wave technology-based recharge tanks +recharge wells
- Storm drains (storm water management infrastructure)
- Fire water sump
- 40 x Air handling unit using water for cooling purpose

The site collects stormwater within rainwater harvesting system (rainwater reuse & recharge system). The roof top rainwater is used for domestic purpose whereas the storm water is being recharged to ground through multiple recharge system provided within factory. The sewage wastewater is being treated at inhouse sewage treatment plant and treated accordingly for use in gardening.

The number of employees at site are around 1858 nos. (including contract employees at site).

The total area of site is 55961 sqm, with Built up area of 27730 sqm, Greenbelt area of 17795 sqm and paved area of 10436 sqm.


Summary of Shared Water Challenges

Summary of Shared Water Challenges

Site has identified the following shared water challenges:

- Depleting groundwater levels
- Contamination of groundwater
- Water scarcity in catchment

0.0.1 Water Source & Discharge Locations

0.01	<i>Have any water source or discharge locations been visited during the audit, if so, which and where? If none were visited, please provide justification.</i>	 Yes
Comment	The Water source for site is groundwater, abstracted through the borewells installed at site. The treated wastewater is utilised within the premises. There is discharge of storm water outside the plant and the same was visited during the site tour.	

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Alliance for Water Stewardship (AWS)

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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.



Comment Site boundaries are defined in the PHE master plan. Site has identified the water related infrastructures in the layout plan.
The water source for site is groundwater which is abstracted through 2 nos. of installed borewells at site which are mapped in the layout. Plant has installed a sewage treatment plant within the premises. The treated wastewater is used within site premises and is not discharged outside the premises.
There is one stormwater discharge point mapped in the layout. The ultimate discharge point of stormwater discharged from plant is TG Halli reservoir. The same is mapped by site.
Ground water is the ultimate water source for site. There are no water or wastewater service providers for site.
Arkavathi catchment is defined as the catchment for site.

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

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.

 in progress

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Comment Site has identified the stakeholders under the following categories:

- Government Agencies
- Local Communities
- NGOs & Advocacy Groups
- Employees
- Suppliers
- Customers
- Businesses & Industries (neighboring)

Site has mentioned that there are no vulnerable, women, minority, and Indigenous people in the catchment. But there are women groups and minorities in the catchment.

Finding No: TNR-020848

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.*

Q
Obs.

Comment For the identified stakeholders, site has categorised the Influence/power of Stakeholder and Interest of Stakeholder as low, medium or high. Influence of most of the stakeholders (including suppliers, customers and neighboring industries) have been identified as medium.

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.*

Q
Obs.

Comment Site has identified water-related incident response plans for chemical spill kits. Additionally, site has also prepared a document covering other water related emergency incidents.

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

Q
Obs.

Comment Site has presented the water balance with inflows from Borewell 1 and 2; Roof top rainwater & drinking water from third party; drinking & evaporation loss; water consumption at site and the treated wastewater used for gardening within the premises.

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.*

Q
Obs.

Comment Site has presented the water balance with inflows from Borewell 1 and 2; Roof top rainwater & drinking water from third party; drinking & evaporation loss; water consumption at site and the treated wastewater used for gardening within the premises. Site has also presented the water related data for Ground water, Bottled water, Total water withdrawal/consumption from ground/capita (KL) for year 2024 and 2025.

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 Site has set a defined frequency of testing different types of water. The water quality of drinking water supplied by third party is being tested by the supplier and the report is being provided to site. The Groundwater from borewell 1 and borewell 2 is being tested on monthly basis. The STP treated water is also being tested on monthly basis.

Finding No: TNR-020853

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Alliance for Water Stewardship (AWS)





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1.3.5	<i>Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.</i>	 closed
Comment	<p>Site has identified the following sources of pollution:</p> <ol style="list-style-type: none"> 1. Common Value Yard with Metal Waste, Wood Waste, Carton Box, E-waste, Plastic Waste, Release Paper 2. Used Oil Storage Area 3. HSD Storage Area 4. Paint Trail Demo Training Centre 5. Waste Storage Area <p>Site did not identify and map all the potential sources of pollution.</p> <p>Finding No: TNR-020854</p>	
1.3.6	<i>On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.</i>	 in progress
Comment	<p>Site has identified the following on-site Important Water-Related Areas:</p> <ul style="list-style-type: none"> - 2 nos. of Borewells - Sewage Treatment Plant - 20 nos. of recharge pits - 5 nos. of crosswave tech. pits - 2 rainwater harvesting ponds <p>Finding No: TNR-020855</p>	
1.3.7	<i>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.</i>	 Yes
Comment	<p>Site has identified the Water related costs including the Monthly Statutory fees submitted to KGWA, Energy consumption (Kwh) and Cost for Energy in abstraction of groundwater, Maintenance cost, Operating cost, Bottled Water cost.</p> <p>Site has also identified the value generated by activities at the site and catchment, i.e. RWH at site and at schools.</p>	
1.3.8	<i>Levels of access and adequacy of WASH at the site shall be identified.</i>	 Yes
Comment	<p>Site has identified the adequacy of WASH services at site and compared it with the requirements as per law. It was found that the site is having adequate WASH related infrastructure at site.</p> <p>Site has tabulated the Hot & Cold Water Dispensers, Bubble Tops, Urinals, Wash basins and WC at 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>Site has gathered the water quantity and water quality related information from the suppliers.</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>	 Obs.
Comment	<p>Site has identified two service providers for site within the catchment, i.e. Canteen service provider and packaged drinking water.</p>	

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1.4.3	<i>Advanced Indicator</i> <i>The embedded water use of primary inputs in catchment(s) of origin shall be quantified.</i>	 Yes
Comment	Site has identified and quantified the water use of primary inputs in catchment(s) of origin.	
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>Site has identified the following government initiatives related to water:</p> <ul style="list-style-type: none"> - Karnataka State Water Policy 2022 - Karnataka State Specific Action Plan (KSSAP) 2050 - Atal Bhujal Yojana (Atal Jal) program - Jalamrutha_Karnataka's largest community-driven water conservation campaign - KISWRMIP (Integrated Water Resource Management Project) - Karnataka State WASH Coalition - Swachh Sanivara (Cleanliness Saturday) - Jal Jeevan Mission Karnataka (Mane Manege Gange) - Pradhan Mantri Krishi Sinchai Yojana (PMKSY) - National Water Mission (NWM) - Mission Amrit Sarovar - Swachh Bharat Mission - Grameen (SBM-G) 	
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>	 Yes
Comment	Site has identified the applicable water-related legal and regulatory requirements with respect to the groundwater N.O.C. issued by Karnataka Ground Water Authority and Consent conditions issued by Karnataka State Pollution Control Board.	
1.5.3	<i>The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.</i>	 in progress
Comment	<p>Site has presented a document which mentions about the considerations taken for catchment water balance but does not include the catchment water balance.</p> <p>Site has further shared a document which mentions the per capita water consumption in the sub-basin for year 2009 followed by the inflow and outflow of Neelamangala Taluka with Positive Water Balance. There are no details available on how the water balance for Neelamangala taluka have been estimated.</p> <p>Additionally, site has presented a snapshot from ground water authority which shows that the Nelamangala taluk is over-exploited. Both the above documents seems to be contradictory and does not give a clear picture on catchment water balance.</p>	
	Finding No: TNR-020786	
1.5.4	<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>	 in progress
Comment	Site has presented hydrogeological report for year 2024 which includes groundwater quality data for 5 wells in the catchment. But the site did not capture any indication of annual, and seasonal, high and low variances.	
	Finding No: TNR-020857	

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1.5.5	<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>	Obs.
Comment	Site has identified and mapped Important Water-Related Areas in the sub-catchment which they have identified earlier. The status of some boreholes and TG Halli reservoir has been identified.	
1.5.6	<i>Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.</i>	closed
Comment	Existing water-related infrastructure is not adequately identified. The condition of water related infrastructures is not identified. However, site has identified the planned water-related infrastructures in the catchment. Finding No: TNR-020859	
1.5.7	<i>The adequacy of available WASH services within the catchment shall be identified.</i>	Yes
Comment	Site has identified the adequacy of available WASH services within the Bengaluru (Rural) which mentions that 88.8% of the Population living in households use an improved sanitation facility, 97.9% of Population living in households with an improved drinking water source, 82.3% of the Household have tap water supply, 99.81% of Schools have tap water supply, 99.25% of Anganwadi Centers have tap water supply.	
1.5.8	<i>Advanced Indicator Efforts by the site to support and undertake catchment level water-related data collection shall be identified.</i>	Yes
Comment	Site has made efforts to undertake catchment level water-related data collection such as per capita water consumption (LPCD) and the water quality data.	
1.5.9	<i>Advanced Indicator The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.</i>	closed
Comment	Site has mentioned that the data was not obtainable and did not identify the adequacy of WASH provision within the catchments of origin of primary inputs. Finding No: TNR-020792	
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>	Yes
Comment	Site has identified and prioritised the shared water challenges based on engagement with stakeholders and are listed below: - Depleting groundwater levels - Contamination of groundwater - Water scarcity in catchment	
1.6.2	<i>Initiatives to address shared water challenges shall be identified.</i>	closed
Comment	Site has listed the initiatives against the identified shared water challenges. Finding No: TNR-020860	
1.6.3	<i>Advanced Indicator Future water issues shall be identified, including anticipated impacts and trends</i>	Yes

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Comment	Site has identified water risks including the future water issues.	
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>	 in progress
Comment	Site did not identify the potential water-related social impacts.	
Finding No: TNR-020795		
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>	 Yes
Comment	Site has identified the water risks faced by the site and prioritised them with the likelihood and impact on site. The identified water risks include: - Water Scarcity caused by groundwater depletion - Contamination of local water sources due to chemical discharge - Failure of Sewage Treatment Plant leading to improper treatment of sewage - Health risks for employees due to inadequate water, sanitation, and hygiene facilities	
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>	 Yes
Comment	Site has identified the water-related opportunities against the risks in which site can implement and participate in supporting the catchment.	
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>	 Yes
Comment	Site has identified the following best practices for water governance: - Proactive engagement with suppliers to promote water stewardship, including providing a site tour. - Educate children on the importance of sustainable water management	
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	Site has identified the following best practices for water balance: - Replenish water table to offset water consumption - Install water-efficient features for domestic water use - Fix leaking faucets, fixtures and taps immediately if damaged - Reduce pipe leakages - Water the lawn and plants during the cooler parts of the day and only when they truly need it and that too with STP treated water. - Use Native plants and lawn adapted for the climate that does not require extensive watering. - Implementation of rain water harvesting (such as at schools) which allows site to stop borewell extraction entirely during rainy season.	
1.8.3	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	 closed


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Comment Site has identified the following best practices for water quality:
- Allocate water based on water quality requirements
- Place a dedicated team to help monitor the groundwater system in terms of quality and quantity

Finding No: TNR-020861

1.8.4 *Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.* 
closed

Comment Site has identified the following best practice for Important Water-Related Areas:
- Implementation and monitoring of rainwater collection in local schools.
- Regularly assess water quality of site boreholes

Finding No: TNR-020862



1.8.5 *Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.* 
Yes

Comment The following best practice for WASH are identified:
- Providing adequate WASH infrastructures for employees at site
- Regular cleaning and maintenance of WASH infrastructures
- Building the capacity of teachers to execute hygiene education programs
- Support local institutions (schools) implement rain harvesting

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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	<i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i> <ul style="list-style-type: none"> - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans - That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard. 	 Yes
Comment	<p>Site has presented ABB India's Policy on Water Stewardship which is applicable for all the sites in the country including the Nelamangala site. The policy captures the following commitments which also includes the required commitments:</p> <ul style="list-style-type: none"> • Implementation and disclosure of progress on water stewardship program to achieve improvements in Alliance for water stewardship (AWS) outcomes • Aligning implementation of water stewardship actions to and in support of existing catchment sustainability plans. Our site's water strategy will actively support local and regional initiatives aimed at safeguarding water resources • Engagement with site-level stakeholders, including local communities, regulators, and industry partners, in an open, transparent, and respectful manner • Allocating the adequate resources to support the implementation of the AWS Standard • Periodic review of this policy based on emerging water risks, regulatory changes, or stakeholder feedback <p>The policy is signed by Country Head and Managing Director of ABB India and is disclosed at company's website with the below link: https://new.abb.com/docs/librariesprovider19/default-document-library/water-stewardship_24-x-32-in.pdf?Status=Master&sfvrsn=2d912f0d_1 Additionally, site has disclosed the same at various locations at site.</p>	
2.1.2	<i>Advanced Indicator</i> <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>	 Yes
Comment	<p>ABB India's Policy on Water Stewardship covering the required commitments is signed by Country Head and Managing Director of ABB India and is disclosed at company's website with the below link: https://new.abb.com/docs/librariesprovider19/default-document-library/water-stewardship_24-x-32-in.pdf?Status=Master&sfvrsn=2d912f0d_1 Additionally, site has disclosed the same at various locations within site such as main gate, canteen, etc.</p>	
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>	

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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"> - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies. 	Q Obs.
Comment	<p>Site has presented an excel sheet capturing the compliance requirements for groundwater NOC conditions as per KGWA, conditions as per Consent To Operate.</p> <p>Site has also mentioned about a portal which is currently in transition phase, which the site is implementing to maintain the compliance conditions, but it does not capture all the compliance conditions as per groundwater NOC from KGWA and Consent To Operate.</p> <p>All the conditions related to water and wastewater management are not mapped.</p>	
2.3	<p><i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i></p>	
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>	✓ Yes
Comment	<p>Site has presented a document with defined water stewardship strategy for the ABB group including the Nelamangala site. It consists of the mission, vision and goals of the organisation.</p> <p>The same is disclosed at ABB website.</p>	
2.3.2	<p><i>A water stewardship plan shall be identified, including for each target:</i></p> <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. 	↑ in progress
Comment	<p>Site has prepared a water stewardship plan with Target, actions to achieve the targets, project timelines (short / medium / long term) Measurement. Site has also listed the monitoring method, relevant best practice, Budget (in mil/INR) for each project, responsibilities (e.g. function within business); Evaluation of progress; Saving in terms of cost; Saving in terms of water and whether any stakeholder Consensus is achieved</p>	
Finding No: TNR-020863		
2.3.3	<p><i>Advanced Indicator</i></p> <p><i>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.</i></p>	Q Obs.
Comment	<p>Site has shared water stewardship initiatives with another group site (ABB, Peenya) within the catchment. Thereafter, the ABB Peenya site has implemented water conservation initiatives and RWH / recharge structures at their premises.</p>	
2.3.4	<p><i>Advanced Indicator</i></p> <p><i>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.</i></p>	Q Obs.
Comment	<p>Site has shared water stewardship initiatives with another group sites (ABB - Nashik, Faridabad and Maneja sites) outside the catchment. Thereafter, other ABB sites have implemented water conservation initiatives and RWH / recharge structures at their premises.</p> <p>The same is being handled by the central sustainability team.</p>	

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2.3.5	<i>Advanced Indicator</i> <i>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.</i>	 Yes
Comment	Site has received consensus from suppliers on the indirect water use target being set by site for its suppliers and they have even implemented some initiatives related to water stewardship.	
2.4	<i>Demonstrate the site's responsiveness and resilience to respond to water risks</i>	
2.4.1	<i>A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</i>	 in progress
Comment	Site has shared a photograph of public drain being constructed outside the factory alongwith the request and completion letter from the Gram Panchayat.	
Finding No: TNR-020816		
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>	 in progress
Comment	Site has shared a photograph of public drain being constructed outside the factory alongwith the request and completion letter from the Gram Panchayat.	
Finding No: TNR-020817		

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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>	✓ Yes
Comment	<p>Site has engaged with various stakeholders for the following activities and has supported good catchment governance:</p> <ul style="list-style-type: none"> - Awareness session conducted for government school, topics such as climate change, environmental protection, and rainwater harvesting - Community engagement and awareness session conducted on water conservation, along with Grama Panchayat for local community - Borewell recharge program and conducted an awareness session for the villagers 	
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>	✓ Yes
Comment	Site is abstracting water within the prescribed limits and has mentioned that by not abstracting more water, they are respecting the water rights of others.	
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>	✓ Yes
Comment	Site has implemented the process to verify full legal and regulatory compliance related to NOC conditions mentioned in the groundwater NOC issued by Karnataka Ground Water Authority and consent conditions as per the Pollution Control Board.	
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	Site is abstracting water within the prescribed limits and by not abstracting more water, they are respecting the water rights of others.	
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>	✓ Yes
Comment	Site has implemented projects to achieve water balance targets at site level. There is improvement in per capita water consumption at site in year 2025 compared to per capita water consumption at site in year 2024.	
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>	✓ Yes
Comment	Site has implemented actions to improve the per capita water consumption at site. The per capita water consumption has improved from 22.3 L in year 2024 to 22.1 L in year 2025.	
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>	✓ Yes

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Comment	There is no legal binding documentation for the re-allocation of water to social, cultural or environmental needs.	
3.3.4	<i>Voluntary Advanced Indicator</i> <i>The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified.</i>	 N/A
Comment	Site has not opted for this indicator and did not provide any evidence for this indicator.	
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>	 in progress
Comment	Site has not set any specific targets related to water quality other than maintaining the water quality as per norms.	
	Finding No: TNR-020864	
3.4.2	<i>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.</i>	 in progress
Comment	Site has mentioned that they have initiated a action to install UF in the STP so as to further use it for flushing.	
	Finding No: TNR-020823	
3.5	<i>Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</i>	
3.5.1	<i>Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.</i>	 Yes
Comment	Site has implemented actions both at site level and at catchment related to Important Water-Related Areas. At site, there is continuous recharge of groundwater through the installed rainwater ponds, recharge structures. Site has increased the frequency of cleanings of the filters which has led to improvement in more water collection.	
3.5.2	<i>Advanced Indicator</i> <i>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.</i>	 N/A
Comment	This indicator is not applicable for site as the site has applied for Gold level certification.	
3.5.3	<i>Advanced Indicator</i> <i>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.</i>	 N/A
Comment	This indicator is not applicable for site as the site has applied for Gold level certification.	
3.6	<i>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.</i>	
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>	 Yes

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Comment	Site has provided evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite. The same has also been explained at Step 1 in which site has quantified the no. of WASH services at site.	
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>	Yes
Comment	Site is abstracting water within the prescribed limits and is not discharging any wastewater outside their premises, i.e. they are utilising the same within the plant premises for gardening purpose. From above, it can be stated that the site is not impinging on the human right to safe water and sanitation of communities through their operations.	
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>	N/A
Comment	This indicator is not applicable for site as the site has applied for Gold level certification.	
3.6.4	<i>Voluntary 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>	N/A
Comment	Site has not opted for this indicator and did not provide any evidence for this indicator.	
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	Site has not set indirect water use targets for site but has set targets for 4 nos. of suppliers to reduce 1% of water consumption by the end of this year.	
	Finding No: TNR-020837	
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>	Yes
Comment	Site has presented evidence of engagement with suppliers which has resulted in actions they have taken in the catchment as a result of the site's engagement related to indirect water use such as rainwater harvesting and water conservation initiatives at their site. The same was also confirmed during stakeholder interaction.	
3.7.3	<i>Advanced Indicator Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented and evaluated.</i>	N/A
Comment	This indicator is not applicable for site as the site has applied for Gold level certification.	
3.8	<i>Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.</i>	
3.8.1	<i>Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.</i>	in progress

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Comment	For evidence of this indicator, site has mentioned about their engagement with KGWA and there was a request from Gram Panchayat to construct drain alongwith the road. There was no relevant evidence w.r.t water-related infrastructure in the catchment.	
		Finding No: TNR-020865
3.9	<i>Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.</i>	
3.9.1	<i>Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.</i>	 Yes
Comment	Site has implemented actions towards achieving best practice, related to water governance which also include the following: - Awareness session for government school, topics such as climate change, environmental protection, and rainwater harvesting - Community engagement and awareness session conducted on water conservation - Awareness session for the villagers on Borewell recharge program	
3.9.2	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 Yes
Comment	Site has implemented projects to achieve best practice, related to targets in terms of water balance such as rainwater harvesting, usage of rainwater instead of groundwater, etc. There is improvement in per capita water consumption at site in year 2025 compared to per capita water consumption at site in year 2024.	
3.9.3	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 closed
Comment	Site has not set any specific targets related to water quality other than maintaining the water quality as per norms, and there are no concrete actions towards achieving best practice, related to water quality.	
		Finding No: TNR-020838
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	Site has implemented actions both at site level and at catchment related towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas.	
3.9.5	<i>Actions towards achieving best practice related to targets in terms of WASH shall be implemented.</i>	 Yes
Comment	Site has implemented actions towards achieving best practice related to targets in terms of WASH.	
3.9.6	<i>Voluntary Advanced Indicator Achievement of identified best practice related to targets in terms of good water governance shall be quantified.</i>	 N/A
Comment	Site has not opted for this indicator and did not provide any evidence for this indicator.	
3.9.7	<i>Voluntary Advanced Indicator Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified.</i>	 N/A
Comment	Site has not opted for this indicator and did not provide any evidence for this indicator.	
3.9.8	<i>Voluntary Advanced Indicator Achievement of identified best practices related to targets in terms of water quality shall be quantified</i>	 N/A

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Comment Site has not opted for this indicator and did not provide any evidence for this indicator.

3.9.9 *Voluntary Advanced Indicator*
Achievement of identified best practices related to targets in terms of the site's maintenance of Important Water-Related Areas have been implemented.


N/A

Comment Site has not opted for this indicator and did not provide any evidence for this indicator.

3.9.10 *Voluntary Advanced Indicator*
Achievement of identified best practice related to targets in terms of WASH shall be quantified.


N/A

Comment Site has not opted for this indicator and did not provide any evidence for this indicator.

3.9.11 *Voluntary Advanced Indicator*
A list of efforts to spread best practices shall be identified.


N/A

Comment Site has not opted for this indicator and did not provide any evidence for this indicator.

3.9.12 *Voluntary Advanced Indicator*
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.


N/A

Comment Site has not opted for this indicator and did not provide any evidence for this indicator.

3.9.13 *Voluntary Advanced Indicator*
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.


N/A

Comment Site has not opted for this indicator and did not provide any evidence for this indicator.

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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> ✓ closed
Comment	Site has evaluated the performance against the targets set in the site's water stewardship plan. The existing water stewardship plan does not clearly indicate how it contributes to AWS Standard outcomes. Finding No: TNR-020846
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i> ✓ closed
Comment	In the water stewardship plan sheet, there is a column which lists the qualitative and quantitative value creation against the targets set in the water stewardship plan. Finding No: TNR-020841
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i> ✓ closed
Comment	Site has presented the water stewardship plan and performance sheet, but it does not include the shared value benefits. Finding No: TNR-020840
4.1.4	<i>Advanced Indicator</i> <i>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> ↓ N/A
Comment	This indicator is not applicable for site as the site has applied for Gold level certification.
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> 🔍 Obs.
Comment	Site has mentioned that there were no water-related emergency incidents during 2024 and 2025. Site has shared a SOP which mentions the procedure of reporting an incident to internal management but does not include the procedure to report to the regulatory authorities.
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> ✓ Yes

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Comment There have been consultation efforts with stakeholders on the site's water stewardship plan and performance. The evidence for discussion with local community and gram panchayat is provided.

4.3.2 *Voluntary Advanced Indicator*
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.


N/A

Comment Site has not opted for this indicator and did not provide any evidence for this indicator.

4.4 *Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.*

4.4.1 *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.*








Yes

Comment Site's water stewardship plan is slightly modified and adapted to incorporate any relevant information and lessons learned

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5STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts		
5.1	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.	
5.1.1	The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.	 Yes
Comment	Site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations have been disclosed at their website with the following link: https://new.abb.com/docs/librariesprovider19/default-document-library/water-governance.pdf	
5.2	Communicate the water stewardship plan with relevant stakeholders.	
5.2.1	The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.	 Obs.
Comment	The existing water stewardship plan is communicated with the stakeholders during the engagement with the stakeholders. The same was confirmed during stakeholder interaction.	
5.3	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.	
5.3.1	A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.	 in progress
Comment	Site has disclosed the water stewardship performance at their website with the following link: https://new.abb.com/docs/librariesprovider19/default-document-library/water-stewardship-plan.pdf	
Finding No: TNR-020843		
5.3.2	Advanced Indicator The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.	 N/A
Comment	This indicator is not applicable for site as the site has applied for Gold level certification.	
5.3.3	Voluntary Advanced Indicator Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.	 N/A
Comment	Site has not opted for this indicator and did not provide any evidence for this indicator.	
5.4	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.	
5.4.1	The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.	 Yes
Comment	Site has shared the water-related challenges at their website with the following link: https://new.abb.com/docs/librariesprovider19/default-document-library/water-stewardship-plan.pdf	


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5.4.2	Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.	 Obs.
Comment	Site has made efforts to engage with one of the government agency, i.e. government hospital by providing support in renovation / installation of new WASH facilities at government hospital.	
5.5	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.	
5.5.1	Any site water-related compliance violations and associated corrections shall be disclosed.	 Yes
Comment	Site has informed that there were no water-related compliance violations in year 2024 and 2025.	
5.5.2	Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.	 Yes
Comment	There were no corrective actions to be taken by site as site informed there were no water-related compliance violations.	
5.5.3	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.	 Yes
Comment	There was no water-related violation that may pose significant risk and threat to human or ecosystem health.	

Previous Findings

All non-conformities raised in the previous audit have been satisfactorily closed.	 N/A
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