Alliance for Water Stewardship (AWS)

ABB India Limited

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ABB India - Water Stewardship Strategy

Vision

Enable a sustainable and resource-efficient future by ensuring responsible water management.

Our commitment to water security involves supporting local communities and ecosystems through active participation in improving water quality and availability. This approach integrates technology-led optimisation, collaborative supplier relationships, and community engagement to enhance long-term operational resilience, ensure regulatory compliance, and strengthen our brand reputation.

Mission

To support and implement water stewardship measures within our operational site and specified physical scope to conserve resources, build resilience, and aid sustainable development.

In high-stress water regions, our manufacturing sites operate with a focus on water sustainability, encompassing environmental accountability, operational excellence, and stakeholder responsibility. This involves collaborating with local catchment communities, neighbouring industries, and supply chain stakeholders to reduce freshwater dependency through increased water recycling, rainwater recharge, and reuse (a 6R approach), alongside enhanced real-time monitoring.

Strategic Goals

To achieve water stewardship goals to strengthen our water related activities.

We strengthen water stewardship through enhanced collaboration and expanded stakeholder partnerships, ensuring superior treated wastewater quality to achieve zero discharge and increase water recycling rates. Our commitment includes promoting catchment restoration, striving for water positivity across all sites, and providing safe and effective water, sanitation, and hygiene management for both our workplaces and surrounding communities.

AUGUST 2025

ABB India: Policy on Water Stewardship

ABB India limited upholds a strong commitment to responsible water stewardship by promoting sustainable usage, safeguarding aquatic ecosystems, and supporting the well-being of local communities. This policy serves as a guiding framework for managing water resources efficiently and transparently, while aligning with global standards and catchment-level sustainability strategies. In line with ABB's sustainability agenda and customer focus, the company strives to deliver value not only to the environment and society but also to customers who increasingly prioritize sustainable practices in their partnerships.The company is committed towards,

- 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

Through water stewardship policy, ABB India Limited can align itself with best practices in sustainable water management and contribute positively to local ecosystems. These improvements will not only address current water challenges but also prepare for future risks associated with climate change and resource scarcity. This proactive approach will promote a long-term commitment to environmental stewardship and ethical business practices.

Sanjeev Sharma
Country Head and Managing Director, ABB India

SA-S-207/01/IN Rev 0

Goal statement

Have three Alliance for Water Stewardship approved sites by 01 December 2030
Assure superior treated wastewater quality across five sites to uphold zero discharge and enhance recycling rates by 30 September 2028
Promote catchment restoration practices (biodiversity conservation) by 01 March 2028
Promote water positivity for six ABB India sites by 30 November 2030
Provide safe and effective water, sanitation, and hygiene management at workplace environments and communities by 01 March 2028

WATER RISK, OPPORTUNITY & ACTION PLAN

Priority water risks faced by the site	Opportunities to Address the Risk, Including Collective Action	Target	Actions	Evaluation of progress
Water Scarcity caused by groundwater depletion (e.g. due to population growth, urbanization and drought)	6R approach for enhancing Rainwater recharge along with reuse to avoid water scarcity challenges	Contribute towards increase in Groundwater levels by a minimum of 5% by the end of 2025 as compared to baseline year of 2022-23 with 6R approach and water positivity	> Conduct a water audit to assess current usage and identify inefficiencies > Develop alternative water sources (e.g., recycled water) > Reallocate water to increase groundwater level where site collects a surplus of water	Under progress. Till Nov'25, there is an Increase in water table by ~30% as compared to Nov'23 (current water table is 20.4 meter) (Increase in water table due to installation of rainwater recharge system along with reuse systems)
Contamination of local water sources due to chemical discharge	- Ensuring efficient operating of Sewage Treatment Plants (STP) to remove pollutants before reuse - Maintaining Zero Liquid Discharge (ZLD) - Periodic compliance audits (internal) - Enhanced segregation of wastewater /water streams - Engage with the local stakeholders to promote pollutants monitoring - Initiative to aware local groups to report pollution and participate in cleanup drives	Improve STP treated water quality by reducing concentration of TSS (total suspended solids) & COD (Chemical oxygen demand) by 5% by Dec'2026 (as compared to 2025)	> Conduct a comprehensive water quality audit to identify sources of contamination > Implement advanced wastewater treatment systems within site to avoid any contamination > Collaborate with local authorities to improve urban drainage systems >promote best practices among various industries in catchment area (i.e. suppliers, neighboring industries)	Under progress. Ultrafiltration system has been installed. Trail run is being carried out currently. (Continuous monitoring and corrective action on water leakages)
Climate change leading to increased extreme weather events impacting operations	6R approach towards water positivity & stewardship including various stakeholders (Internal & External) Emergency response plan for the site for extreme weather events like flood and drought conditions	Complete a climate-risk assessment & train 100% of employees in extreme-weather preparedness by Dec 2026.	> Conduct climate-risk assessments > Implement adaptive measures like water-efficient technologies and rainwater harvesting > Develop emergency response plans for extreme weather events	There is a plan in place to execute annual climate-risk assessments (bi-annually) Under progress (Increase in water table due to installation of rainwater recharge system along with reuse systems)

Priority water risks faced by the site	Opportunities to Address the Risk, Including Collective Action	Target	Actions	Evaluation of progress
High Water Consumption Per Capita/water leakages causes a breach of abstraction permits where requirements cannot be met by rainwater harvesting	Rainwater harvesting (Reuse) along with reduction of freshwater consumption through tap aerator, drip irrigation system, and increasing the recycling of treated water at site Promote water use efficiency among the relevant stakeholders	Increase water recyclability by 1% as compared to last year over the course of 2025. Reduce freshwater consumption by 1% (considering water consumption per capita) across 2025 compared to previous year. All minor leakages (that can be fixed by the onsite team) to be fixed within 24 hours of identification on a continuous basis.	> Conduct internal water audit to assess current usage and identify inefficiencies (By sustainability & Maintenance team) > Implement water-saving technologies and practices > Educate employees on water conservation practices > Enhancement for STP treated water quality (UF etc.) & usage of treated water for flushing purpose (in progress) > Sharing best practices of water use efficiency, recycle and reuse adopted by ABB among other stakeholders	>Enhanced water recyclability by 2% till Q3'25 (~85% till Q3) > Reduced water per capita by 0.9% till Q3'25 as compared to 2024 >Rooftop water collection & reuse being carried out currently
Breaching conditions of abstraction permits	- Install real-time water flow meters - Implement water recycling and efficiency projects	Reduce freshwater consumption (extraction from ground water) by 1% (considering water consumption per capita) across 2025 compared to previous year and drive 6R approach to be water positive.	> Conduct internal water audit to assess current usage and identify inefficiencies (By sustainability & Maintenance team) >Implement water recycling, rainwater harvesting and efficiency projects >Engage proactively with water Authorities > Ensure regular monitoring of groundwater extraction	> Reduced water per capita by 0.9% till Q3'25 > Dishwashing machine to reduce the water cons. > Roof top water consumption
Failure of Sewage Treatment Plant leading to improper treatment of sewage	Maintaining a correctly managed STP enables good reputation within the community and water reuse.	Achieve zero unplanned STP failures and enhance STP treated water quality by reducing concentration of TSS (total suspended solids) & COD (Chemical oxygen demand) by 5% by Dec'2026 (as compared to 2025)	>Establish dedicated Staff for the operation of the STP >Conduction monthly inspections of the STP >Periodic monitoring of STP treated water quality to ensure safe water reuse >Keep the backup pumps for the STP operation	> Installation of UF plant - completed > Undertake water quality testing - Q1'26 > Compare water quality before UF and after- Q1'26 > Utilise waste post UF in toilet flushing facilities- Q2'26
Stricter Regulations from Groundwater Authorities	Proactive approach towards KGWA/CGWA guidelines based initiatives including installing water meters and monitoring, demonstrating efficient use and recharge efforts through 6R approach.	Reduce freshwater consumption (extraction from ground water) by 1% (considering water consumption per capita) across 2025 compared to previous year and promote 6R approach to sustain water positive status.	> Conduct a water audit to assess current usage and identify inefficiencies > Engage with regulatory bodies to understand and comply with new regulations > Implement sustainable water management practices >Engage with water authorities	>Periodic engagement with KGWA authority on ground water management & compliances. '> Reduced water per capita by 0.9% till Q3'25

Priority water risks faced by the site	Opportunities to Address the Risk, Including Collective Action	Target	Actions	Evaluation of progress
Disruption in supply chain due to water scarcity/poor water management practices by suppliers.	Sustainable water management system strengthening at suppliers through awareness building, handholding and best practices sharing (including water data monitoring)	Reduce indirect water consumption by 0.1% by Dec'2026 compared to 2024 by engaging with 4 suppliers to encourage water use reduction.	> Encourage suppliers to monitor water consumption & 1% of water reduction among 4 suppliers in 2025 as compared to previous year >Establish water management standards for suppliers > Conduct assessment of suppliers' on ESG practices > Provide training on sustainable water practices	> 3 awareness sessions completed > Water consumption survey completed >Target vs. actual indirect water consumption -under progress > Water monitoring mechanism developed for suppliers along with reduction commitments
Community perception that site uses too much water	>Conduct community and stakeholder engagement, including site tours to show how water is used efficiently. >Demonstration of site level initiatives taken by ABB on water positivity and water management best practices	Improve water practices across at least community 4 locations in close proximity to ABB location/catchment and surrounding area to increase water positivity awareness by Dec'2026. Engage with local government schools and colleges to visit the site for demonstration of water positivity initiatives and water management best practices by Q4'2025.	>Engage with local community to demonstrate water positivity initiatives taken by the ABB site (showed best practices) > Rainwater recharge system upgrade at 4 local community locations > Rainwater harvesting implementation at schools	> Engagement with local community & rainwater harvesting projects among nearby villages & schools > 100 nos. of borewell rejuvenation activity completed at 4 locations at community
Health risks for employees due to inadequate water, sanitation, and hygiene facilities.	>Supporting communities with new or upgraded sanitation facilities (toilets and handwashing stations) >Promote hygiene behavior by partnering with NGOs to run awareness drives on handwashing, safe water usage etc. schools >Ensure efficient WASH facility within site	Improve water quality for ABB onsite domestic usage (i.e. WASH facilities) (rainwater) by reducing 5% of TSS by Dec'2026 (as compared to 2025) which will help in maintaining high quality WASH services for all ABB site employees.	> Invest in building or upgrading local WASH infrastructure (within 12 months). > Partner with NGOs to implement WASH programs > Provide training on proper hygiene practices (within 6 months).	> Installation of sand filter & carbon filter for rainwater tanks (2 rainwater tanks) - completed > Undertake water quality testing - completed > Compare water quality before filtration system and after- completed > Utilise waste for domestic water - completed

WATER CHALLENGES & ACTION PLAN

water challenges	Opportunities to Address the Challenge, Including Collective Action	Target	Actions	Evaluation of progress
Depleting groundwater levels resulting from increasing demand for water & ground water extraction from over exploited aquifer, as per CGWB	Influence Agriculture, Industrial and domestic water use through recycling of water, fixing leaks, water-efficient fixtures etc.	Engage with at least 4 local schools to encourage awareness building & implement rainwater harvesting at local schools by 2025	> Water mgmt. awareness building & roof top rainwater harvesting at local schools (4 nos.)	> Achieved 230 KL/ annum of rainwater harvesting among 4 schools. > Social impact assessment is yet to be carried out.
Contamination of groundwater due to poor land use and planning	Prevention through better land use planning, reducing pollution at source and implementing monitoring and early warning systems.	Monitor pollutants as twice a year as a minimum and encourage stakeholders to reduce the pollutants. Conduct at least 2 training sessions for farmers and communities on safe fertilizer/pesticide use (plan in Q4'26)	> Hold at least 2 training sessions for farmers and communities on safe fertilizer/pesticide use (plan in Q4'25) > Monitor groundwater regularly and share data publicly.	- Hydrogeological survey being conducted with monitoring of few water quality parameters - Planning to have awareness building among farmers
Water scarcity in catchment area	Building awareness and education and develop improved accountability and governance.	Engage with at least 4 local suppliers within the catchment and hold sessions on freshwater usage reduction in 2025. Engage with at least 2 neighboring industries to promote sustainable water mgmt. practices in 2025. Reduce freshwater consumption per capita (ABB employees on site) (total amount consumed on ground water extraction by 10% by 2030 compared to 2023 baseline)	> Conduct awareness campaigns and training for farmers, industries, and communities. > Establish water stewardship councils to coordinate conservation efforts. > Conduct meetings with at least 2 neighboring industries to discuss best practices and share learnings.	>Suppliers training completed at catchment area (overall 44 nos. of suppliers trained on AWS) >Engagement with neighboring industries (1 no. already completed by Nov'25 > Achieved reduction of ~2.6 % of freshwater consumption per capita (ABB employees on site) till Q3'25 as compared to 2023

WATER OPPORTUNITIES & ACTION PLAN

priority opportunities faced by the site	opportunities to Address the Risk, Including Collective Action	Objective	Actions	Evaluation of progress
Reputation improvement among customers and stakeholders, increasing market share and market position.	Addressing shared water challenges will help achieve long term security of water needs for the site and its stakeholders across the catchment and enhance stakeholder relationships.	Enhance the factory's reputation by improving environmental practices and have no identified reputational risks relating to water.	> Conduct an internal environmental impact assessment to identify areas for improvement > Implement sustainable practices within factory premises > Implement robust risk management strategies > Develop and communicate a corporate social responsibility (CSR) strategy > Engage with stakeholders through regular updates and community involvement	- Implementation of 6R approach to become water positivity with WPI of 1.24 - Rainwater harvesting in 4 nos. of schools - 100 borewells for villages - Supplier awareness & engagement on water mgmt. Till Nov'25, there is an Increase in water table by ~30% as compared to Nov'23 (current water table is 20.4 meter)
Cost savings from reduced water extraction	Reducing water consumption (through harvesting and efficiency gains) to reduce the total cost of water extraction and to contribute SDG	Reduce freshwater consumption per capita (total amount spent on ground water extraction by 10% by 2030 compared to 2022-23 baseline)	> Install Real-Time monitoring and Control systems > Rainwater reuse > enhanced recycling >Develop and Enforce extraction schedule > Conduct Monthly Performance reviews and adjustments. > 6R approach	- Implementation of 6R approach to become water positivity with WPI of 1.24 >Enhanced water recyclability by 2% till Q3'25 (~85% till Q3) - Rainwater reuse till Aug'25 (1381 KL)
Water quality improvement	Improving water quality via the installation of the UF (Ultrafiltration) facility means water from the STP (Sewage Treatment Plant) can be used for flushing facilities. Reducing reliance on water extraction for WASH facilities.	Enhance STP treated water quality by reducing concentration of TSS (total suspended solids) & COD (Chemical oxygen demand) by 5% by Dec'2026 (as compared to 2025) for use within WASH facilities for toilet flushing.	> Complete installation of UF plant > Undertake water quality testing > Compare water quality before UF and after > Utilize waste post UF in toilet flushing facilities	> Installation of UF plant -completed > Undertake water quality testing - Q1'26 > Compare water quality before UF and after- Q1'26 > Utilise waste post UF in toilet flushing facilities- Q2'26
Water quality improvement	Improving the quality of rainwater collected at the site before being used for onsite domestic usage through sand and carbon filtration systems.	Improve the quality of rainwater collected through rainwater harvesting systems so that when re-injected into the aquifer the water quality is improved, assisting with quality for groundwater extraction and improving water quality for domestic usage (Rainwater) by reducing 5% of TSS by Dec'2026 (as compared to 2025) which will help in maintaining high quality WASH services for all employees.	> Install sand and carbon filters at rainwater harvesting sites > Establish the level of water quality improvement through testing before and after filtration.	> Installation of sand filter & carbon filter for rainwater tanks (2 rainwater tanks) -completed > Undertake water quality testing - completed > Compare water quality before filtration system and after- completed > Utilize waste for domestic water - completed