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

What are the priority water risks faced by the site?	What are the 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 min. 10 meters by the end of 2025 as compared to baseline 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 (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	Zero industrial run off of the site over the course of the year.	> 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	Under progress (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 (considering water-related events) by Q4 2026 and implement measures.	> Conduct climate risk assessments > Implement adaptive measures like water-efficient technologies > Develop emergency response plans for extreme weather events	Yet to evaluate
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 in water recyclability by 1% as compared to last year (~84%) 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	Rooftop water collection & reuse system installed

What are the priority water risks faced by the site?	What are the opportunities to Address the Risk, Including Collective Action?	Target	Actions	Evaluation of progress
Breaching conditions of abstraction permits	- Install real-time water flow meters - Implement water recycling and efficiency projects	Continue to operate within abstraction limits and remain water positive, on average throughout the year.	> 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	Installation of Advanced 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.	Specialized team to continue monitoring the standard of the operation of the STP and maintaining zero cases of failure of the STP	>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	- Working on STP efficiency improvement
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.	>To ensure compliance with new regulations and promote sustainable water management practices. >Engage with water authorities annually including to understand changes in regulations where necessary.	> 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.
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)	>To ensure suppliers adopt sustainable water management practices and reduce disruptions by engaging with suppliers on the topic of water at least two times per annum. >Encourage suppliers to monitor water consumption & 1% of water reduction among 4 suppliers in 2025 as compared to previous year	> Encourage the suppliers to adopt the best water management practices in their production >Establish water management standards for suppliers > Conduct assessment of suppliers' on ESG practices > Provide training on sustainable water practices	-3 awareness sessions completed - Water monitoring mechanism developed for suppliers along with reduction commitments

What are the priority water risks faced by the site?	What are the opportunities to Address the Risk, Including Collective Action?	Target	Actions	Evaluation of progress
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	Continue to provide evidence of water positivity and work with communities to improve water practices across at least community 4 locations in close proximity to ABB location/catchment and surrounding area. Encourage local government schools and colleges to visit the site for demonstration of water positivity initiatives and water management best practices (by Q4 2025)	> Monitor water positivity >Engage with local community to demonstrate water positivity initiatives taken by site	- Engagement with local community & rainwater harvesting projects among nearby villages & schools
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 behaviour by partnering with NGOs to run awareness drives on handwashing, safe water usage etc. schools >Ensure efficient WASH facility within site	Maintain leading, high quality WASH services for all 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 additional filtration system for the roof top water treatment

WATER CHALLENGES & ACTION PLAN

What are the shared water challenges?	Target	Actions	Evaluation of progress
Depleting groundwater levels resulting from increasing demand for water & ground water extraction from over exploited aquifer, as per CGWB	> Awareness building & rainwater harvesting at local schools (4 nos.) by 2025	> Water mgmt. awareness building & Roof top rainwater harvesting at local schools (4 nos.)	230 KL of rainwater harvesting among 4 schools
Contamination of groundwater due to poor land use and planning	Monitoring of pollutants as per IS 10500: 2012 twice a year (as amended) and encourage stakeholders to reduce the pollutants	> Hold at least 2 training sessions for farmers and communities on safe fertilizer/pesticide use (plan in Q4'25) > Monitor quality of 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	> Engage with local suppliers (4 nos.) with catchment area for freshwater reduction > Neighboring industries (2 nos.) to promote sustainable water management practices >Reduce freshwater consumption per capita (total amount consumed on ground water extraction by 10% by 2030 compared to 2022-23 baseline)	> Conduct awareness campaigns and training for famers, industries and communities. > Establish water stewardship councils to coordinate conservation efforts. > Implement water-use audits and efficiency upgrades for local industries.	>Suppliers training completed at catchment area >Engagement with neighboring industries

WATER OPPORTUNITIES & ACTION PLAN

What are the priority opportunities faced by the site?	Objective	Actions	Evaluation of progress
Reputation improvement among customers and stakeholders, increasing market share and market position.	To 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 schools - 100 borewells for villages - Supplier awareness and engagement on water management.
Cost savings from reduced water extraction	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 > Enhance 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 - Improved water recyclability with 84% till July'25 - Rainwater reuse till Aug'25 (1381 KL)

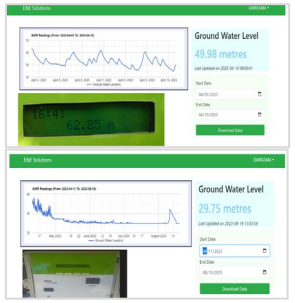
KEY INITIATIVES: SUSTAINABLE WATER MANAGEMENT

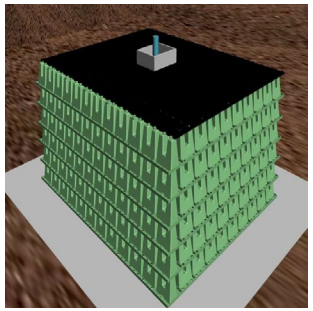
Sustainable Water Management

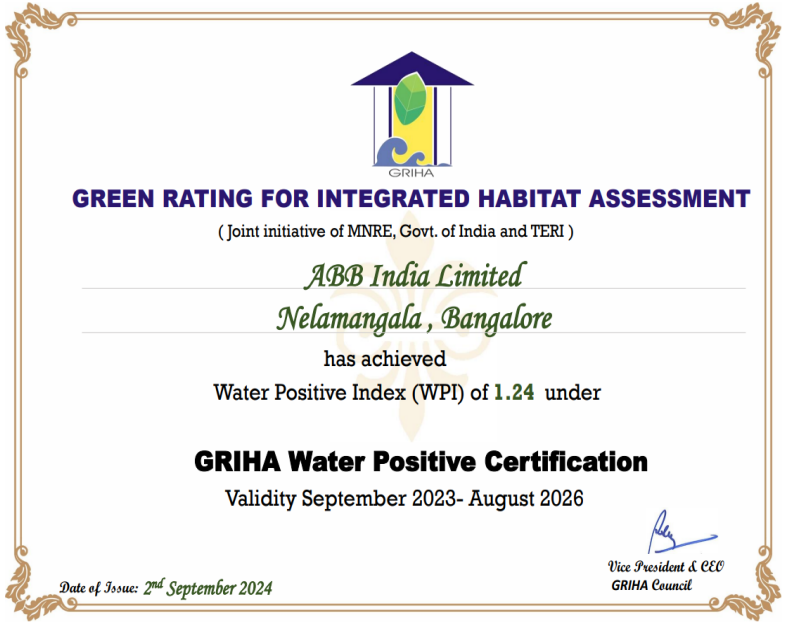
Water positivity with 6R approach at ABB Nelamangala









1R

Recharge of rainwater

2R

Reduction of fresh water

3R

Reuse of rainwater

4R

Recycle of treated wastewater

5R

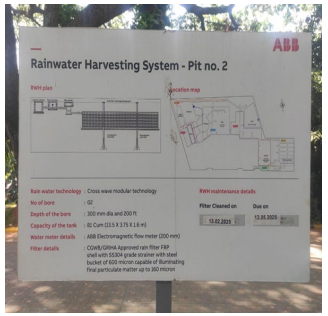
Realtime monitoring

6R

Result assurance through third party

Sustainability in Practice

Water positivity with 6R approach_ABB Nelamangala



Recharge
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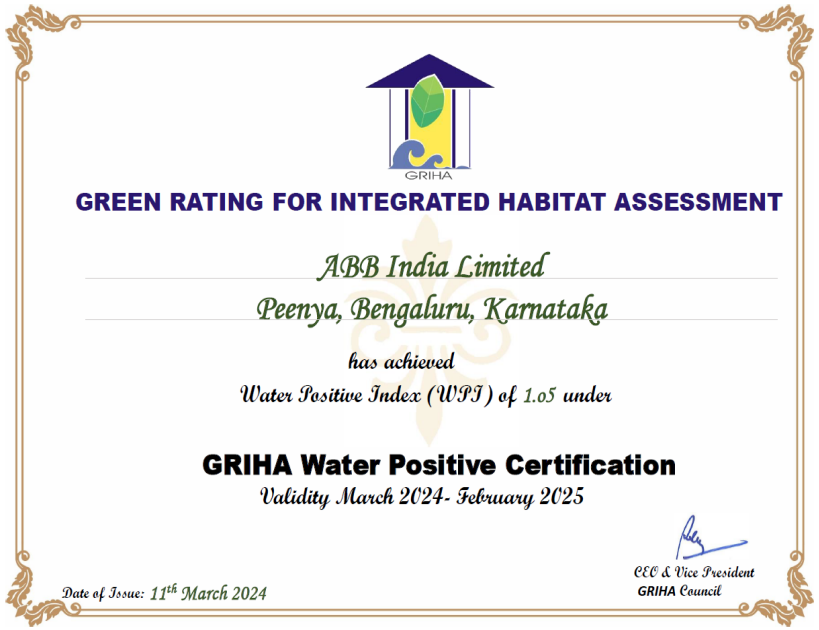
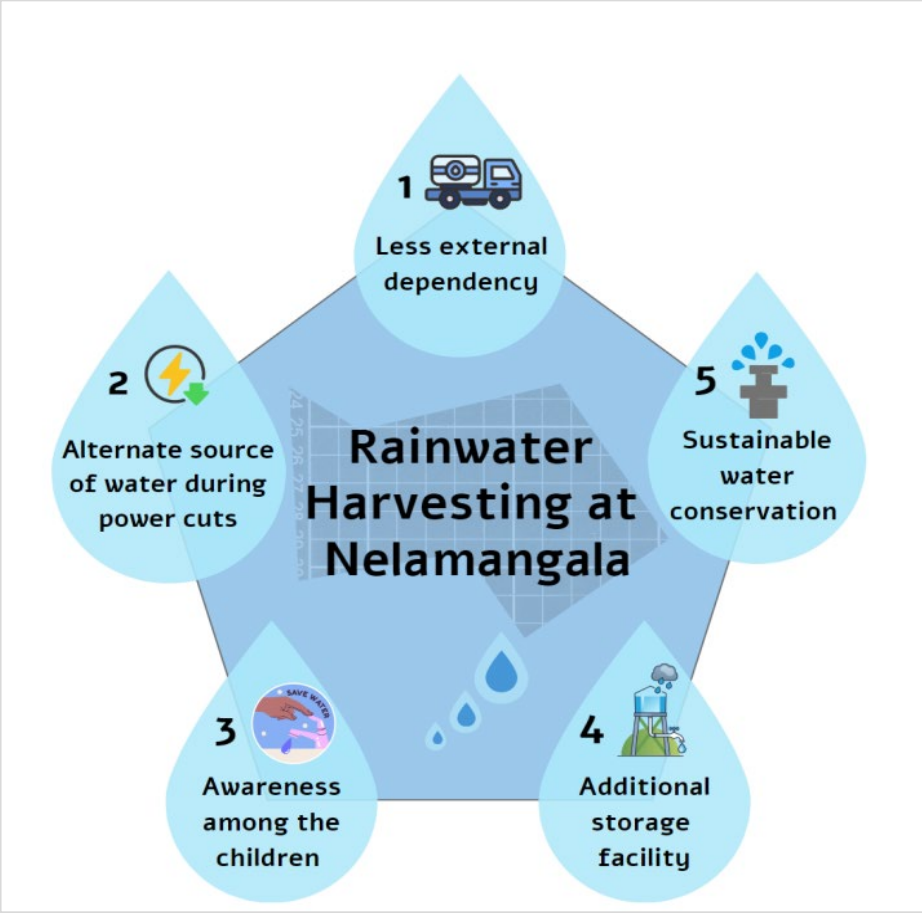


Result assurance thru
3rd party (GRIHA) on water positivity

Sustainable Water Management

Water management at community level



5 schools benefited through >230 KL of rainwater harvesting to reduce freshwater usage