

GCRS - Your **Sustainability** Partner in **Water Risk Management & Water Stewardship** Journey

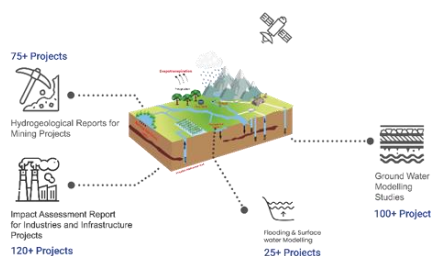


Water is the new currency. It is a key resource in everyday industrial operations (within the fence) and shared resources (beyond the fence). To maintain availability of freshwater resources in the industry's catchment area and considering the community's right towards water use from the catchment, industries are taking significant steps towards developing water conservation, rainwater harvesting and recharge capabilities.

Industries are increasingly investing in water sustainability and stewardship initiatives to achieve a water-positive footprint across all operational zones. **The core challenge lies in reliable risk assessment and scientific modeling, which are essential for effective planning and precise impact assessment to determine the Return on Investment (ROI).**

GCRS offers comprehensive solutions to help industries map, measure, and model water risks, and prepare roadmap towards water positivity and sustainable stewardship.

We have successfully executed water risk and sustainability analysis, and water stewardship road map for the following sector:








Cement | Food Processing Beverages | IT Sector | Power & Utilities | Oil & Gas | Automotive | Textile | Chemicals and Fertilizers | Paper & Pulp | Metals and Mining | Airports | Pharmaceuticals | Infrastructure | Hydropower | Drinking Water | Agriculture

How you benefit from our solutions!



(Source of assessment unit concept has taken from CII- Triveni Water Institute)

| GCRS Delivery Model | Within the fence (5/10km buffer zone) | Beyond the Fence | Key benefits |
|---|--|---|---|
|  Screening & Diagnosing the Health of the watershed | <ul style="list-style-type: none"> Rapid Water Risk Analysis | <ul style="list-style-type: none"> Rapid Water Risk Analysis Land use patterns Climate Risk Biodiversity Risk | <ul style="list-style-type: none"> ✓ Water risk analysis reporting within and beyond the fence |
|  Root Cause Analysis | <ul style="list-style-type: none"> Groundwater Impact Assessment Report Comprehensive Hydrogeological Report Groundwater Modelling Surface-Runoff Modelling Stormwater drainage system analysis Water Balance assessment Comprehensive hydrology report | <ul style="list-style-type: none"> Impact on Groundwater regimes Ground Water Recharge potential zones Surface Water conservation potential locations. Surface runoff modelling & analysis Flood risk analysis Climate risk analysis at catchment scale. Comprehensive hydrology report. | <ul style="list-style-type: none"> ✓ NoC from CGWA ✓ Water Audit Certificate ✓ Details surface and groundwater risk analysis reports ✓ Enhance CSR activities. ✓ Meet the regulatory compliance (CGWA/CGWB) ✓ Potential zones for conservation and recharge |
|  Design Restoration & Management Plans | <ul style="list-style-type: none"> Rainwater harvesting designs | <ul style="list-style-type: none"> Water conservation & Artificial recharge structural design. Water Management plan | <ul style="list-style-type: none"> ✓ Nature based designs for Lake/Ponds rejuvenation ✓ Road map for water positivity |
|  Restoration of the watershed | <ul style="list-style-type: none"> Rainwater harvesting & recharge | <ul style="list-style-type: none"> Water conservation and recharge Lake/Pond rejuvenation | <ul style="list-style-type: none"> ✓ Increase Supply-side sources ✓ Achieved Water positivity/neutrality for sustainability ✓ Enhance water sustainability rating, fulfilling ESG & SDG goals |
|  Continuous Monitoring of the watershed | <ul style="list-style-type: none"> Groundwater levels Water flow metering ETP, STP and WTP Water Balance Monitoring | <ul style="list-style-type: none"> Surface water bodies health Measure and monitoring CSR activity impacts Catchment scale monitoring | <ul style="list-style-type: none"> ✓ Increase water use efficiency and reduce the operational cost ✓ Enhance the profitability ✓ Certification from Alliance for Water Stewardship & CII-Triveni Water Institute |

Why GCRS?

GCRS is a landscape restoration solution provider for sustainable living and thriving businesses. Through digital solutions, modelling and assessments, GCRS helps companies to achieve water sustainability and stewardship. Our team will help industries to qualify for Green Credits to promote water conservation, water harvesting, and water use efficiency or water savings, including treatment and reuse of wastewater schemes within the fence and outside the fence. GCRS is an accredited company by Central Ground Water Authority (CGWA), Ministry of Jal Shakti, Government of India, Certificate No.: CGWA/RGI/005.