

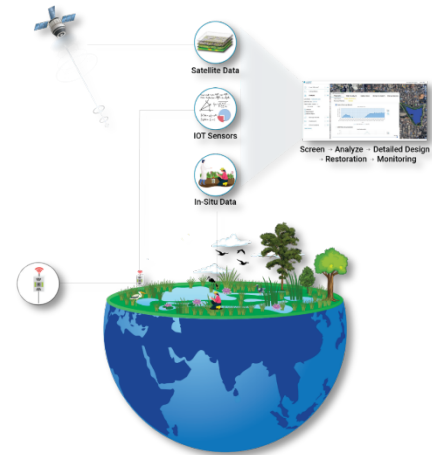
Join us in Urban Lake Restoration for a sustainable future for our Cities



Geo Climate Risk Solutions Pvt. Ltd. (GCRS) seeks support from **CSR programs** to collaborate on the shared mission of restoring degraded urban lakes through **LAMAS (Lake Management System)**—a complete solution for sustainable lake rejuvenation. Recognized as an **Standout City Champion of 2024** by Josh Talks, Omidyar Network India, and IIM Calcutta, GCRS was also a **Titan Design Impact Award finalist** in the water sector and received the **AMRUT 2.0 Award** for urban water body rejuvenation. As a **GAIL-backed startup**, GCRS is at the forefront of sustainable water management and urban ecosystem revitalization, providing innovative solutions for impactful CSR initiatives.

Key Features of LAMAS:

- **Comprehensive Lake Health Diagnostics:** Uses geospatial, AI, and ML technologies to assess lake conditions, including physical parameters, water quality, and ecosystem health.
- **Continuous Monitoring:** Real-time tracking of water level, water quality changes, and ecosystem disturbances via sensor-based and satellite monitoring.
- **Data-Driven Decision Support:** Offers detailed visualizations and reporting to support management decisions. Encroachment detection aids in preventing unauthorized developments.
- **Scalable & Customizable:** Can be deployed across multiple lakes, supporting broader regional and state-level lake management initiatives.



Why Choose LAMAS for CSR-Funded Lake Restoration?

- **End-to-End Restoration:** Through a 5-phase approach, LAMAS covers diagnostics, scientific assessments, restoration planning, implementation, and ongoing monitoring.
- **Community and Environmental Impact:** Directly supports groundwater recharge, biodiversity conservation, and improved water quality, benefiting surrounding communities.
- **Enhance Urban Water Bodies:** Contribute to the sustainable rejuvenation of urban lakes, supporting biodiversity and improved community access to green spaces.



Proven Credentials:

- **Selected by the Ministry of Housing and Urban Affairs** under **AMRUT 2.0** to monitor lakes in **Ayodhya City**, Uttar Pradesh.
- Implemented by **Hyderabad Metropolitan Development Authority (HMDA)** for continuously monitoring all the lakes in Hyderabad region.
- Empanelled by the **Chhattisgarh State Wetland Authority** for comprehensive wetland monitoring and management across the state.
- Deployed by **Indian National Trust for Arts, Culture, and Heritage (INTACH)** for monitoring few heritage lakes in Mysore region.
- Deployed across **Dal-Nigee Lake** and **Manasbal Lake** in Jammu & Kashmir for real-time monitoring.



For further details or a demo, contact us at business@gcrs.co.in
Visit <https://lamas.co.in>

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Pricing of 5-Phase process:

Phase	Activities	Pricing Model	Price
Screening/ Diagnosis	<ul style="list-style-type: none"> Screening the physical and water quality parameters of the lake to find out the degradation status and recovery potential Spatial and temporal analysis 	Annual subscription cost for LAMAS per hectare	<p>Contact us for more information: business@gcrs.co.in, prasad.babu@gcrs.co.in suraj@gcrs.co.in</p> <p>Contact No: Prasad Babu: +91-9810708901 Suraj Nanneti: +91-7583892688</p>
Detailed Scientific Assessment	<ul style="list-style-type: none"> Conduct hydrological and hydrogeological assessments Evaluate historical and future submergence and flood intensities of the lake. Develop flood inundation maps and propose management and mitigation strategies. 	Fixed price per catchment/ watershed	
Design of restoration	<ul style="list-style-type: none"> Design of restoration and management plans Includes the following components: <ul style="list-style-type: none"> Conceptual design NBS solutions Detailed design BOQ Civil Designs <Any additional components> 	Pricing to be determined on case-to-case basis depending up on the services offered.	
Restoration	<ul style="list-style-type: none"> On ground restoration (catchment treatment) Consists of activities like – removal of obstacles from feeding channels, construction of bunds, construction of filtration structures along feeding channels using NBS methods, removal of silt, etc. 	Price to be determined on case-to-case basis	
Monitoring	<ul style="list-style-type: none"> Continuous monitoring of the lake health parameters after restorative efforts 	Annual subscription cost for LAMAS per hectare	