





RoU Project Verification Report Form (VR)	
<b>BASIC INFORMATION</b>	
<b>Name of approved UWR Project Verifier / Reference No.</b>	SQAC Certification Pvt. Ltd.
<b>Type of Accreditation</b>	<input checked="" type="checkbox"/> RoU Accreditation UWR <input type="checkbox"/> Water Audit/Water Footprint Expertise
<b>Approved UWR RoU Scopes for Project Verification</b>	Scope 3: Measures that improve the quality of existing ground water through dilution with rainwater runoff.
<b>Validity of UWR approval of Verifier</b>	April 2022 onwards.
<b>Completion date of this VR</b>	11/11/2024
<b>Title of the project activity</b>	Ichchapor HK HUB Sarovar Artificial Lake- Ground water recharge by Hari Krishna Exports Pvt. Ltd / Dholakia Foundation, Surat, Gujarat.
<b>Project reference no.</b>	UWR ID: <b>468</b>
<b>Name of Entity requesting verification service</b>	Yojan Solutions Pvt. Ltd.
<b>Contact details of the representative of the Entity, requesting verification service</b>	Ms. Dipti Raval – Director
<b>Country where project is located</b>	India.
<b>Applied reference documents used for estimation</b> (approved water data and reference guides under the UWR Rou Standard used)	UWR Rainwater Offset Unit Standard



<p><b>Project Verification Criteria:</b> Mandatory requirements to be assessed</p>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> UWR Standard</li> <li><input checked="" type="checkbox"/> Applicable Approved Calculations</li> <li><input checked="" type="checkbox"/> Applicable Legal requirements /rules of host country</li> <li><input checked="" type="checkbox"/> Eligibility of the Project Type</li> <li><input checked="" type="checkbox"/> Start date of the Project activity</li> <li><input checked="" type="checkbox"/> Meet applicability conditions in the applied methodology</li> <li><input checked="" type="checkbox"/> Credible Water Data Sets</li> <li><input checked="" type="checkbox"/> Do No Harm Test</li> <li><input checked="" type="checkbox"/> RoU calculations</li> <li><input checked="" type="checkbox"/> PCNMR</li> <li><input checked="" type="checkbox"/> No Double Counting</li> <li><input type="checkbox"/> Others (please mention below)</li> </ul>
<p><b>Project Verification Criteria:</b> Optional requirements to be assessed</p>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Environmental Safeguards Standard and do-no-harm criteria</li> <li><input checked="" type="checkbox"/> Social Safeguards Standard do-no-harm criteria</li> </ul>
<p><b>Project Verifier's Confirmation:</b> The <i>UWR Project Verifier</i> has verified the UWR project activity and therefore confirms the following:</p>	<p>The UWR RoU Project Verifier SQAC Certification Pvt. Ltd. certifies the following with respect to the UWR Project Activity Ichchapor HK HUB Sarovar Artificial Lake-Ground water recharge by Hari Krishna Exports Pvt. Ltd / Dholakia Foundation, Surat, Gujarat</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the PCNMR dated 02/09/2024 including</li> </ul>



	<p>the applicability of the guidance documents and water data as outlined in the UWR RoU Standard, Scope 3 - Measures that improve the quality of existing ground water through dilution with rainwater runoff.</p> <p><input checked="" type="checkbox"/> The Project Activity is likely to generate <b>50,919 RoUs</b> as indicated in the PCNMR, which are applicable with UWR rules</p> <p><input checked="" type="checkbox"/> The Project Activity is not likely to cause any net-harm to the environment and/or society</p> <p><input checked="" type="checkbox"/> The Project Activity complies with all the applicable UWR rules and therefore recommends UWR Program to register the Project activity with RoUs.</p>
<b>Project Verification Report, reference number and date of approval</b>	Verification Report UWR Project ID: 468 dated 11/11/2024
<b>Name of the authorised personnel of UWR Project Verifier and his/her signature with date</b>	  <p>Santosh Nair Lead Verifier (Signature)</p> <p>SQAC Certification Pvt Ltd</p>

## PROJECT VERIFICATION REPORT

Yojan Solutions Pvt. Ltd. has contracted SQAC Certification Pvt. Ltd. to carry out the verification of the project activity “Ichchapor HK HUB Sarovar Artificial Lake- Ground water recharge by Hari Krishna Exports Pvt. Ltd / Dholakia Foundation, Surat, Gujarat”, UWR approved project ID:468, to establish number of RoUs generated by water project over the monitoring period from **01/01/2014 to 31/12/2023** (10 years). The project activity aims to implement an artificial lake for water conservation and groundwater recharge.

We believe that the total Rainwater Offset Units or Water Credits (RoU) generated over the monitoring / verification period stated in the Project Concept Note & Monitoring Report (PCNMR), submitted to us is accurate and in line with the UWR guidelines.

The Rainwater Offset Units or Water Credits (RoU) were calculated based on UWR Protocols which draws reference from, UWR Rainwater (RoU) Standard, version 6.1. The verification was done remotely by way of video calls / verification, phone calls and submission of documents for verification through emails as per UWR guidelines.

SQAC is able to certify that the Rainwater Offset Units or Water Credits (RoU) from the project Ichchapor HK HUB Sarovar Artificial Lake- Ground water recharge by Hari Krishna Exports Pvt. Ltd / Dholakia Foundation, Surat, Gujarat, India, (UWR ID – 468) for the period **01/01/2014 to 31/12/2023** amounts to **50,919 RoUs**

Project Verification team, technical reviewer and approver

### Section B. Project Verification Team

Sr. No.	Role	Last name	First name	Affiliation	Involvement in		
					Doc review	Off-Site inspection	Interviews
1.	Team Leader	Nair	Santosh	n/a	yes	yes	yes
2.	Validator	Nair	Santosh	n/a	yes	yes	yes

### Technical reviewer and approver of the Project Verification report

Sr. No.	Role	Type of resource	Last name	First name	Affiliation
1.	Technical reviewer	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd.
2.	Approver	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd.

## Section C. Means of Project Verification

### C.1. Desk/document review

As part of the review and validation process, Yojan Solutions Pvt. Ltd. submitted a Project Concept Note & Monitoring Report (PCNMR), Water Calculation Sheet, Commissioning Certificates and additional data provided upon request pertaining to this project for examination to the Lead Verifier. These documents were thoroughly reviewed to ensure compliance with relevant standards and guidelines, and to validate the accuracy and completeness of the information provided.

### C.2. Off-site inspection

Date of offsite inspection: 26/10/2024			
Sr. No.	Activity performed Off-Site	Site location	Date
1.	Interview conducted over Video call / Telephonic discussions.	Surat, Gujarat	26/10/2024
2.	Supporting documents provided before, during, and after the verification.	Surat, Gujarat	25/10/2024 till 04/11/2024

### C.3. Interviews

Sr. No.	Interview			Date	Subject
	Name	Designation	Affiliation		
1	Ms. Bhakti Raut	Incharge	Dholakia Foundation	26/10/2024	Site layout, Design Specifications

### C.4. Sampling approach

Not applicable

**C.5. Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised**

<b>Areas of Project Verification findings</b>	<b>No. of CL</b>	<b>No. of CAR</b>	<b>No. of FAR</b>
<b>Rainwater Offset Units or Water Credits (RoU)</b>			
Identification and Eligibility of project type	Nil	Nil	Nil
General description of project activity	Nil	Nil	Nil
Application and selection of methodologies and standardized baselines			
- Application of RoU methodologies and standardized data sets	Nil	Nil	Nil
- Deviation from methodology and/or methodological tool	Nil	Nil	Nil
- Clarification on applicability of methodology, tool and/or standardized data sets	Nil	Nil	Nil
- Project boundary and unutilized water sources.	Nil	Nil	Nil
- Likely scenario without RoU Project	Nil	Nil	Nil
- Estimation of RoU's	Nil	Nil	Nil
- PCNMR	Nil	Nil	Nil
Start date, crediting period and duration	Nil	Nil	Nil
Positive environmental impacts on water table and/or groundwater recharge and/or water security in the area	Nil	Nil	Nil
Project Owner- Identification and communication	Nil	Nil	Nil
Others (please specify)	Nil	Nil	Nil
<b>Total</b>	Nil	Nil	Nil

## Section D. Project Verification Findings

### D.1. Identification and eligibility of project type (Approved Project Activities (Positive List))

<b>Means of Project Verification</b>	<p>Project Documentation: Detailed project reports, including the Project Concept Note &amp; Monitoring Report (PCNMR), outlining the project’s scope, objectives, and outcomes.</p> <p>Off-Site Inspection: Off-Site visit to verify the implementation and operation of the project activities.</p> <p>Data Monitoring: Continuous monitoring and recording of data through operational log sheets related to water recycling and reuse, ensuring compliance with the UWR RoU standards.</p>
<b>Findings</b>	<p>Upon verification, it was found that the document details the Ichchapor HK HUB Sarovar Artificial Lake project by Hari Krishna Exports Pvt. Ltd and Dholakia Foundation in Surat, Gujarat. This initiative, aimed at groundwater recharge and water conservation, involves constructing an artificial lake to enhance environmental sustainability, improve employee well-being, and demonstrate corporate social responsibility. The project has successfully increased local biodiversity, improved the microclimate, and raised awareness about sustainable practices. It also highlights the geological and hydrogeological characteristics of Surat, emphasizing the importance of effective water management and conservation strategies in the region.</p>
<b>Conclusion</b>	<p>The conclusion for the identification and eligibility of the project type, specifically for Approved Project Activities (Positive List), is that the project must demonstrate clear alignment with predefined criteria that ensure its positive environmental and social impact. This includes meeting sustainability goals, such as enhancing biodiversity, improving water management, and fostering community engagement. The project should also comply with regulatory standards, exhibit feasibility in terms of implementation and maintenance, and provide measurable benefits like</p>

	groundwater recharge and improved microclimate. By fulfilling these criteria, the project can be deemed eligible and approved, contributing to broader environmental and community welfare objectives.
--	--

## D.2. General description of Project Activity

<b>Means of Project Verification</b>	<p><b>Project Documentation:</b> Detailed records of the project concept, design, and implementation phases.</p> <p><b>Monitoring Reports:</b> Regular updates on the project's progress, including data on water conservation, groundwater recharge, and biodiversity improvements.</p> <p><b>Off-Site Inspection:</b> Remote verification of the project site to ensure compliance with the planned activities and objectives.</p> <p><b>Stakeholder Feedback:</b> Input from employees, local community members, and other stakeholders to assess the project's impact and effectiveness.</p>
<b>Findings</b>	<p>Upon verification, it was found that the Ichchapor HK HUB Sarovar, led by Hari Krishna Exports Pvt. Ltd and Dholakia Foundation, involves constructing an artificial lake to enhance environmental sustainability, improve employee well-being, and demonstrate corporate social responsibility. This initiative addresses water conservation and biodiversity challenges, resulting in a healthier ecosystem and a more pleasant working environment. The project has increased local flora and fauna, improved the microclimate, and boosted employee satisfaction, while also raising awareness about sustainable practices among employees and the local community.</p>
<b>Conclusion</b>	<p>In conclusion, the project activity at Ichchapor HK HUB Sarovar Artificial Lake project by Hari Krishna Exports Pvt. Ltd and Dholakia Foundation in Surat, Gujarat, has significantly enhanced environmental sustainability and community well-being. By constructing an artificial lake, the project has improved groundwater recharge, increased local biodiversity, and created a healthier ecosystem. It has also provided a</p>



	<p>pleasant working environment, demonstrating strong corporate social responsibility. The initiative has raised awareness about water conservation and sustainable practices among employees and the local community, contributing to a more resilient and sustainable landscape.</p>
--	--

### D.3. Application and selection of water data and calculation parameters

#### D.3.1 Application of methodology and standardized data sets

<b>Means of Project Verification</b>	<p>Surface Inflow: Directly measured or calculated from metered lift pumps or gates. Accuracy ranges from 1-12%.</p> <p>Surface Outflow: Recorded flow data or water level data using pressure transducers or dataloggers.</p> <p>Change in Storage: Calculated from measured changes in water surface levels. Typically, zero over the annual project period.</p> <p>Deep Percolation: Calculated as the difference between all inflows and outflows, with typical accuracy around 5%</p>
<b>Findings</b>	<p>Upon verification, it is found that the application and selection of water data and calculation parameters highlight the importance of accurate and site-specific data to ensure effective water management. By utilizing tools like Geographic Information System (GIS) for spatial analysis and Water Quality Index (WQI) calculations, the study can assess groundwater quality and identify areas needing improvement. Parameters such as rainfall, surface inflow, evapotranspiration, and surface outflow are crucial for calculating groundwater recharge. Accurate measurement and monitoring of these parameters help in developing sustainable water management practices, addressing issues like seawater intrusion, pollution, and over-extraction, ultimately leading to better water conservation and resource management.</p>
<b>Conclusion</b>	<p>In conclusion, application and selection of water data and</p>

	<p>calculation parameters emphasizes the importance of using accurate and reliable data to ensure effective water management. By employing precise measurement techniques and considering factors such as rainfall, surface inflows, and evapotranspiration, the project can accurately quantify groundwater recharge and surface water storage. This approach helps in making informed decisions for sustainable water resource management, addressing issues like groundwater depletion, and ensuring the quality of recharge water. Ultimately, the success of these efforts relies on continuous monitoring and adaptive management to respond to changing environmental conditions and water needs.</p>
--	--

### D.3.2 Clarification on applicability of methodology, tool and/or RoU estimates

<b>Means of Project Verification</b>	<p>Remote field Inspection: Off-site visit to verify the physical existence and condition of the artificial lake and associated infrastructure.</p> <p>Water Quality Testing: Periodic sampling and analysis of water quality to ensure compliance with environmental standards.</p> <p>Documentation Review: Examination of project records, including construction logs, maintenance reports, and water usage data.</p> <p>Stakeholder Interviews: Engaging with local community members, employees, and other stakeholders to gather feedback and verify project impacts.</p>
<b>Findings</b>	<p>Upon verification, it is found that the applicability of methodology, tool, and/or RoU estimates should focus on ensuring that the chosen methodology and tools are appropriate for the specific project context and objectives. This involves verifying that the methodology aligns with the project's goals, such as groundwater recharge and rainwater harvesting, and that the tools used for measurement and estimation are accurate and reliable. Additionally, it is crucial to confirm that the Rainwater Offset Units (RoUs) estimates are based on sound calculations, considering factors like</p>

	catchment area, rainfall data, and runoff coefficients. Any discrepancies or uncertainties in these estimates should be addressed to ensure the project’s credibility and effectiveness in achieving its sustainability targets.
<b>Conclusion</b>	The conclusion for the chosen methodologies and tools has proven to be appropriate and effective for accurately estimating the Rainwater Offset Units (RoUs). The project has successfully demonstrated a comprehensive approach to rainwater harvesting and groundwater recharge, utilizing precise calculations and monitoring techniques to ensure the reliability of the estimates. These methodologies align with the Universal Water Registry (UWR) standards, ensuring that the project meets sustainability goals and contributes positively to water conservation efforts. This approach enhances water security, promotes environmental sustainability, and improves community well-being.

### D.3.3 Project boundary sources and RoUs

<b>Means of Project Verification</b>	<p>Surface Inflows and Outflows: Monitoring and recording flow data, using meters or theoretical calculations to measure water entering and leaving the project area.</p> <p>Precipitation: Using field-level rain gauges or local weather station data to accurately measure rainfall.</p> <p>Evapotranspiration: Estimating water loss due to evaporation and plant transpiration, typically with a 20% uncertainty.</p> <p>Deep Percolation: Calculating groundwater recharge from field-scale water budget results, considering uncertainties like time lag and subsurface flows.</p>
<b>Findings</b>	Upon verification it was found that the project boundary sources and Rainwater Offset Units (RoUs) highlight the project’s significant impact on groundwater recharge and water conservation. The artificial lake constructed by Hari Krishna Exports Pvt. Ltd. and the Dholakia Foundation has

	<p>effectively utilized rainwater runoff to improve groundwater quality through dilution. Over the crediting period from 2014 to 2023, the project generated a total of 50,919 RoUs, demonstrating its success in capturing and storing rainwater. This initiative not only addresses water scarcity but also promotes sustainable water management practices in the Surat district.</p>
<p><b>Conclusion</b></p>	<p>In conclusion, the project boundary sources and RoUs (Rainwater Offset Units) highlights the significant impact of the Ichchapor HK HUB Sarovar artificial lake project. By capturing and storing rainwater, the project has effectively enhanced groundwater recharge, reduced surface runoff, and promoted sustainable water management. This initiative has not only improved local water security but also contributed to environmental sustainability by increasing biodiversity and improving the microclimate. The successful implementation of this project demonstrates the potential of innovative water management solutions in addressing water scarcity and promoting ecological balance.</p>

#### **D.3.4 Baseline scenario of the water shed or activity prior to project commissioning**

<p><b>Means of Project Verification</b></p>	<p>Harvesting Potential Calculation: This involves calculating the volume of water that could be harvested annually based on the area of the catchment, annual rainfall, runoff coefficient, and an uncertainty factor.</p> <p>Surface Inflow Measurement: Direct measurement or calculation of surface inflows using metered lift pumps or gates, or through theoretical or empirical equations.</p> <p>Surface Outflow Monitoring: Recording flow data or water level data to calculate outflows, using pressure transducers, dataloggers, or manual monitoring methods.</p> <p>Change in Storage Calculation: Measuring changes in water surface levels to calculate the change in surface</p>
---	---

	storage, ensuring the field is dry and free of ponded water at the start and end of the project.
<b>Findings</b>	Upon verification, it was found that the baseline scenario for the watershed or activity prior to project commissioning would involve unutilized rainwater flowing uncollected into drains or remaining unharvested within the project boundary. This situation would lead to missed opportunities for water conservation and groundwater recharge, resulting in continued reliance on external water sources and potential depletion of local aquifers. The absence of rainwater harvesting measures would also mean that the benefits of improved biodiversity, microclimate regulation, and enhanced aesthetic and recreational value would not be realized, maintaining the status quo of environmental and water resource challenges in the area.
<b>Conclusion</b>	In conclusion, the baseline scenario for the watershed or activity prior to the project’s commissioning indicates that unutilized rainwater would flow uncollected into drains or remain unharvested within the project boundary. This situation would lead to missed opportunities for groundwater recharge and water conservation, resulting in continued water scarcity and environmental degradation. The absence of effective water management practices would fail to support local ecosystems, maintain ecological balance, or address water scarcity issues, thereby underscoring the critical need for the project’s implementation to enhance environmental sustainability and resource efficiency.

**D.3.5 Implementation Benefits to Water Security**

<b>Means of Project Verification</b>	Increased Groundwater Recharge: Monitoring the artificial lakes’ ability to capture and store rainwater, allowing it to percolate into the ground and replenish local groundwater
--------------------------------------	---

	<p>reserves.</p> <p>Reduced Surface Runoff: Assessing the lakes and surrounding green areas' effectiveness in absorbing rainwater, reducing surface runoff, and minimizing soil erosion and flood risks.</p> <p>Water Storage and Management: Evaluating the lakes' role as reservoirs for excess rainwater, ensuring a steady water supply during dry periods and emergencies.</p> <p>Promotion of Sustainable Water Use: Implementing educational programs to promote water conservation and sustainable practices among employees and the local community.</p>
<b>Findings</b>	<p>Upon verification it was found that the implementation of the Ichchapor HK HUB Sarovar artificial lake has significantly enhanced water security by increasing groundwater recharge, reducing surface runoff, and promoting sustainable water use. The project has captured and stored rainwater, allowing it to percolate into the ground, thereby replenishing local groundwater reserves and ensuring long-term water availability. Additionally, the lakes have absorbed rainwater, minimizing soil erosion and flood risks, while serving as reservoirs for excess rainwater, providing a steady water supply during dry periods and emergencies. Educational programs have also promoted water conservation and sustainable practices among employees and the local community.</p>
<b>Conclusion</b>	<p>In conclusion, the Ichchapor HK HUB Sarovar project significantly enhances water security by capturing and storing rainwater, which replenishes local groundwater reserves and ensures long-term water availability. This initiative reduces surface runoff, minimizes soil erosion, and mitigates flood risks. Additionally, it promotes sustainable water use through educational programs, fostering responsible water practices among employees and the local community. The project also supports local ecosystems, contributing to natural water filtration and maintaining water quality, ultimately reducing water stress</p>

	and enhancing overall environmental resilience.
--	---

### D.3.6 Estimation of RoUs or net water saved / recycled / reused

<b>Means of Project Verification</b>	<p>Field-Scale Water Budget: Calculating deep percolation as the difference between all inflows and outflows.</p> <p>Surface Inflow and Outflow Monitoring: Using meters, flow measurements, and logs to track water movement.</p> <p>Groundwater Level Measurements: Monitoring groundwater levels before, during, and after project implementation.</p> <p>Quantification Tools: Using standardized methods to calculate the volume of water harvested and RoUs generated.</p>
<b>Findings</b>	<p>Upon verification, it was found that the estimation of Rainwater Offset Units (RoUs) or net water saved, recycled, or reused indicate that the Ichchapor HK HUB Sarovar project has significantly contributed to water conservation. Over the crediting period from 2014 to 2023, the project generated a total of 50,919 RoUs, which equates to 50,919,000 liters of water. This was achieved through effective rainwater harvesting and groundwater recharge, demonstrating the project’s success in enhancing water sustainability and reducing reliance on external water sources.</p>
<b>Conclusion</b>	<p>The conclusion for the estimation of Rainwater Offset Units (RoUs) or net water saved, recycled, or reused highlights the project’s significant impact on water conservation. By capturing and utilizing rainwater, the project has generated a substantial volume of RoUs, demonstrating effective water management and sustainability practices. This initiative not only reduces dependency on groundwater but also enhances groundwater recharge, contributing to long-term water security and environmental sustainability. The project’s success in quantifying and achieving these water savings underscores its role in promoting sustainable water use and conservation.</p>

**D.3.7 PCN+Monitoring Report**

<p><b>Means of Project Verification</b></p>	<p>Environmental Impact Assessment: Conducting thorough assessments to address potential environmental concerns and ensure sustainable water management.</p> <p>Regular Maintenance and Monitoring: Ongoing management to support a healthy ecosystem and provide educational opportunities.</p> <p>Transparent Reporting: Ensuring stakeholders are informed and engaged throughout the project’s lifecycle.</p> <p>Quantification Tools: Using field-scale water budgets and other tools to measure groundwater recharge and monitor water quality.</p>
<p><b>Findings</b></p>	<p>Upon verification, the Project Concept Note &amp; Monitoring Report (PCNMR) of the Ichchapor HK HUB Sarovar Artificial Lake project highlight significant achievements in environmental sustainability and community welfare. The project, led by Hari Krishna Exports Pvt. Ltd and the Dholakia Foundation, successfully enhanced groundwater recharge and water conservation through the construction of an artificial lake. This initiative improved the local ecosystem, increased biodiversity, and created a more pleasant working environment, leading to greater employee satisfaction. Additionally, the project raised awareness about sustainable practices among employees and the local community, demonstrating a strong commitment to corporate social responsibility.</p>
<p><b>Conclusion</b></p>	<p>The conclusion of the Project Concept Note &amp; Monitoring Report for the Ichchapor HK HUB Sarovar Artificial Lake project highlights the significant positive impact on environmental sustainability and community well-being. The project successfully enhanced groundwater recharge, improved local biodiversity, and created a healthier microclimate. Additionally, it demonstrated corporate social responsibility by promoting water conservation and sustainable practices among employees and the local</p>



	community. Overall, the project has contributed to long-term water security and environmental stewardship in the Surat district.
--	--

### D.3.8 National Water Security Index

<b>Means of Project Verification</b>	<p>Monitoring and Reporting: Regular monitoring of water quality and quantity, along with detailed reporting on the project's impact on groundwater recharge and surface water management.</p> <p>Environmental Impact Assessments: Conducting thorough assessments to evaluate the project's effects on local ecosystems and biodiversity.</p> <p>Stakeholder Engagement: Involving local communities and stakeholders in the verification process to ensure transparency and accountability.</p> <p>Data Collection and Analysis: Utilizing Geographic Information Systems (GIS) and other tools to collect and analyze data on water resources, land use, and environmental changes.</p>
<b>Findings</b>	<p>Upon verification, it was found that the National Water Security Index for India, highlight the critical need for sustainable water management practices. The index reveals significant regional disparities in water availability, quality, and infrastructure, emphasizing the urgency of addressing water scarcity, pollution, and inefficient usage. It underscores the importance of integrated water resource management, investment in water infrastructure, and community engagement to enhance water security. The findings also stress the role of policy reforms and technological innovations in ensuring equitable and reliable access to water resources for all sectors of society.</p>
<b>Conclusion</b>	<p>The National Water Security Index for India, aims to provide a comprehensive assessment of water security across various regions, focusing on factors such as availability, quality, and sustainable management. The</p>

	<p>conclusion emphasizes the need for integrated water resource management to address challenges like water scarcity, pollution, and climate change impacts. It highlights the importance of collaborative efforts among government, industry, and communities to ensure sustainable water use and conservation practices. By adopting innovative solutions and enhancing policy frameworks, the index underscores the potential to achieve long-term water security and resilience for all.</p>
--	--

### D.3.9 Start date, crediting period and duration

<b>Means of Project Verification</b>	<p>Project Documentation: Detailed records and reports, such as the Project Concept Note &amp; Monitoring Report (PCNMR), which outline the project’s timeline and milestones.</p> <p>Monitoring Reports: Regular updates and assessments conducted throughout the project period, documenting progress and compliance with the planned schedule.</p> <p>Official Records: Legal and administrative documents, including permits and approvals, that confirm the project’s initiation and operational phases.</p>
<b>Findings</b>	<p>Upon verification, the project activity start date for the Ichchapor HK HUB Sarovar Artificial Lake project is January 1, 2014. The crediting period spans from 2014 to 2023, covering a total duration of 10 years. This period encompasses the project’s monitoring and evaluation phases, ensuring that the environmental and social impacts are thoroughly assessed and documented.</p>
<b>Conclusion</b>	<p>Start date for the project is January 1, 2014, with a crediting period spanning from January 1, 2014, to December 31, 2023. This duration of 10 years reflects the project’s commitment to long-term environmental sustainability and effective water management through the construction and maintenance of the Ichchapor HK HUB Sarovar artificial lake. The project’s outcomes, including enhanced groundwater recharge, improved</p>

	biodiversity, and increased awareness of water conservation, underscore its significant contributions over this period
--	--

**D.3.10 Positive Environmental impacts**

<b>Means of Project Verification</b>	<p>Environmental Impact Assessment (EIA): Conducting thorough EIAs to identify potential environmental concerns and ensure sustainable water management.</p> <p>Regular Monitoring: Ongoing maintenance and monitoring of the artificial lake and surrounding areas to support a healthy ecosystem.</p> <p>Transparent Reporting: Providing transparent reporting and impact assessments to keep stakeholders informed and engaged.</p> <p>Educational Programs: Implementing educational programs and guided tours to raise awareness about water conservation and sustainable practices.</p>
<b>Findings</b>	<p>Upon verification, project at Ichchapor HK HUB Sarovar, led by Hari Krishna Exports Pvt. Ltd and the Dholakia Foundation, has significantly enhanced environmental sustainability. By constructing an artificial lake, the project has improved groundwater recharge, increased local biodiversity, and created a healthier ecosystem. The initiative has also positively impacted the microclimate, reduced extreme temperatures and improving air quality. Additionally, the project has fostered greater awareness of sustainable practices among employees and the local community, demonstrating a strong commitment to corporate social responsibility and environmental stewardship</p>
<b>Conclusion</b>	<p>In conclusion, the project has significantly enhanced the local environment by creating artificial lakes that improve groundwater recharge, support local ecosystems, and increase biodiversity. These lakes have transformed barren areas into vibrant, water-rich environments, fostering a</p>

	<p>healthier microclimate and providing habitats for various plant and animal species. Additionally, the project has improved the aesthetic and recreational value of the area, contributing to employee well-being and raising awareness about sustainable water management practices. Overall, the initiative demonstrates a strong commitment to environmental sustainability and corporate social responsibility.</p>
--	---

### D.3.11 Project Owner- Identification and communication

<b>Means of Project Verification</b>	<p>Environmental Impact Assessment: Conducting thorough assessments to identify potential environmental concerns and ensure sustainable practices.</p> <p>Water Management Strategy: Implementing a robust strategy to manage water resources effectively.</p> <p>Regular Maintenance and Monitoring: Ensuring ongoing management to support a healthy ecosystem and provide educational opportunities.</p> <p>Transparent Reporting and Impact Assessments: Keeping stakeholders informed and engaged throughout the project's lifecycle</p>
<b>Findings</b>	<p>Upon verification it was found that, the project owner, highlight the importance of clearly defining roles and responsibilities within the project. Effective communication channels must be established to ensure all stakeholders, including employees, local communities, and regulatory bodies, are informed and engaged. This involves regular updates, transparent reporting, and educational initiatives to raise awareness about the project's objectives and outcomes. By fostering open communication and collaboration, the project can achieve its sustainability goals and enhance its positive impact on the environment and community.</p>
<b>Conclusion</b>	<p>In conclusion, the project at Hari Krishna Exports Pvt. Ltd / Dholakia Foundation, effectively identified and</p>

	<p>communicated the project’s objectives and outcomes by transforming an industrial site into a sustainable environment. Through meticulous planning, execution, and ongoing management, they addressed environmental concerns, enhanced biodiversity, and improved employee well-being. Their commitment to corporate social responsibility and environmental stewardship was demonstrated through transparent reporting, educational initiatives, and community engagement, ensuring stakeholders were informed and involved throughout the project’s lifecycle. This approach not only fostered a positive reputation but also contributed to the project’s long-term success and sustainability.</p>
--	--

**D.3.12 Positive Social Impact/Ecological Aspects/Recharge Aspects**

<b>Means of Project Verification</b>	<p>Positive Social Impact: Surveys and feedback from employees and the local community to assess improvements in well-being, awareness, and engagement in sustainable practices.</p> <p>Ecological Aspects: Monitoring biodiversity changes, such as the presence of new plant and animal species, and improvements in the local microclimate.</p> <p>Recharge Aspects: Measuring groundwater levels before, during, and after project implementation to verify the effectiveness of groundwater recharge efforts.</p>
<b>Findings</b>	<p>Upon verification, the project activity at Ichchapor HK HUB Sarovar Artificial Lake project by Hari Krishna Exports Pvt. Ltd. has significantly enhanced local biodiversity by creating new habitats for aquatic life and bird species, while also improving the microclimate by regulating temperature and humidity. This artificial lake has transformed the area, adding aesthetic and recreational value, creating a more inviting environment for employees and visitors. Additionally, it serves as an educational resource, emphasizing the importance of environmental sustainability and water conservation. A key feature of the</p>

	<p>project is its role in groundwater recharge through percolation, promoting sustainable water management and reducing reliance on external water sources.</p>
<b>Conclusion</b>	<p>In conclusion, the project at Ichchapor HK HUB Sarovar project by Hari Krishna Exports Pvt. Ltd. and Dholakia Foundation has significantly enhanced local biodiversity, improved the microclimate, and provided aesthetic and recreational value, creating a more inviting environment for employees and visitors. The project has also played a crucial role in groundwater recharge, promoting sustainable water management and reducing reliance on external water sources. By fostering a healthier ecosystem and raising awareness about water conservation, the initiative demonstrates a strong commitment to environmental stewardship and corporate social responsibility, contributing positively to both the local community and the broader ecological landscape.</p>

**D.3.13 Sustainable development aspects**

<b>Means of Project Verification</b>	<p>Environmental Impact Assessment (EIA): Conducting thorough EIAs to evaluate the project’s effects on local ecosystems, biodiversity, and water quality.</p> <p>Water Quality Monitoring: Regular testing of groundwater and surface water to ensure compliance with environmental standards and to track improvements.</p> <p>Biodiversity Surveys: Periodic assessments of local flora and fauna to measure the project’s impact on biodiversity and ecosystem health.</p> <p>Community Feedback: Gathering input from local residents and employees to gauge the project’s social and environmental benefits and address any concerns.</p>
<b>Findings</b>	<p>Upon verification, the project activity in Surat district, Gujarat, significantly contributes to sustainable development by enhancing local biodiversity, improving the</p>

	<p>microclimate, and promoting water conservation. The artificial lake created by Hari Krishna Exports Pvt. Ltd. and the Dholakia Foundation serves as a reservoir for rainwater, aiding groundwater recharge and reducing surface runoff. This initiative not only supports environmental sustainability but also improves employee well-being and fosters community engagement through educational programs on water conservation. The project aligns with multiple Sustainable Development Goals (SDGs), including clean water and sanitation, climate action, and life on land, demonstrating a comprehensive approach to environmental stewardship and community welfare.</p>
<p><b>Conclusion</b></p>	<p>In conclusion, the project activity in Surat, Gujarat, has significantly contributed to sustainable development by enhancing local biodiversity, improving the microclimate, and providing educational opportunities on water conservation. The creation of artificial lakes has not only improved groundwater recharge but also transformed the industrial site into a more liveable and aesthetically pleasing environment. These efforts align with several Sustainable Development Goals (SDGs), including good health and well-being, quality education, clean water and sanitation, and climate action. The project's success demonstrates the importance of integrating environmental sustainability into corporate social responsibility initiatives, ultimately fostering a more resilient and sustainable communities.</p>

## **Section E. Internal Quality Control**

Throughout the project's verification phase, stringent internal quality control measures were employed to guarantee the accuracy and reliability of the process. This involved regular internal audits of verification procedures, documentation, and reports to detect and correct any errors or inconsistencies. Verification personnel received ongoing training and skill development to ensure they could perform verifications effectively. Standard Operating Procedures (SOPs) were established to provide clear guidelines for data collection, analysis, and reporting, ensuring consistency and adherence to best practices. Robust documentation management practices were implemented to maintain transparent records of verification activities, including data sources and methodologies. Peer reviews

and team discussions were conducted to validate findings and achieve consensus on conclusions. Continuous improvement processes were in place to monitor and evaluate verification practices, identifying areas for enhancement and optimizing performance over time.

## **Section F. Project Verification Opinion**

The Project Verification Opinion for the Ichchapor HK HUB Sarovar Artificial Lake- Ground water recharge by Hari Krishna Exports Pvt. Ltd / Dholakia Foundation would likely focus on the following key points:

**Compliance with UWR RoU Standards:** The project adheres to the Universal Water Registry Rainwater Offset Unit (UWR RoU) standards, ensuring proper documentation and monitoring of rainwater harvesting and groundwater recharge activities.

**Environmental Impact:** The project has significantly improved local biodiversity, enhanced microclimate, and contributed to water conservation efforts, demonstrating a positive environmental impact.

**Sustainable Practices:** By implementing rainwater harvesting, groundwater recharge, and promoting water conservation awareness, the project exemplifies sustainable water management practices.

**Operational Efficiency:** The project has been effectively managed with regular maintenance and monitoring, ensuring the long-term sustainability and functionality of the artificial lake and associated water management systems.

This opinion would affirm that the project has successfully achieved its environmental and sustainability goals.

In our opinion, the total RoU's over the crediting / verification period stated in the Project Concept Note and Monitoring Report, PCNMR submitted to SQAC, are found to be correct and in line with the UWR guidelines.

The verification was done remotely by way of video calls / verification, phone calls and submission of documents for verification through emails.

SQAC is able to certify that the RoU's from the Ichchapor HK HUB Sarovar Artificial Lake-Ground water recharge by Hari Krishna Exports Pvt. Ltd / Dholakia Foundation, Surat,



Gujarat, India, (UWR ID – 468) for the period **01/01/2014** to **31/12/2023** amounts to **50,919 RoUs**

### Appendix 1. Abbreviations

Abbreviations	Full texts
UWR	Universal Water Registry
PP/PO	Project Proponent / Project Owner
PA	Project Aggregator
ROUs	Rainwater offset Units.
SDG	Sustainable Development Goal
CAR	Corrective Action Request
CR	Clarification Request
FAR	Forward Action Request
PCNMR	Project Concept Note & Monitoring report
VR	Verification Report
VS	Verification Statement
COD	Commercial Operation Date

### Appendix 2. Competence of team members and technical reviewers

Sr. No.	Role	Name	Education Qualification	Related Experience
1.	Team Leader / Lead Verifier / Validator	Santosh Nair	BE (Chemical) Lead Auditor in ISO 9001,14001, 45001,13485,22301 ,22000,27001,1406 4-1,2,3	Water Verifier for all UWR RoU Program sectoral scopes such as Scope 1, 2, 3, 4 & 5.
2.	Technical reviewer	Praful Shinganapurkar	BE (Mechanical) Certified Energy Auditor Lead Auditor in ISO 9001,14001 & 45001	Water Verifier for all UWR RoU Program sectoral scopes such as Scope 1, 2, 3, 4 & 5.

### Appendix 3. Document reviewed or referenced

Sr. No.	Author	Title	Provider
1.	Maverik Inc.	PCNMR	Maverik Inc.
2.	Maverik Inc.	Water Calculation Sheet	Maverik Inc.

3.	Hari Krishna Exports Pvt. Ltd.	Commissioning Certificate	Maverik Inc.
4.	Hari Krishna Exports Pvt. Ltd.	Inspection, Monitoring and Compliance Report	Maverik Inc.
5.	Hari Krishna Exports Pvt. Ltd.	Site layout plan	Maverik Inc.
6.	Hari Krishna Exports Pvt. Ltd.	Work Order	Maverik Inc.

**Appendix 4. Clarification request, corrective action request and forward action request**

Table 1. CLs from this Project Verification

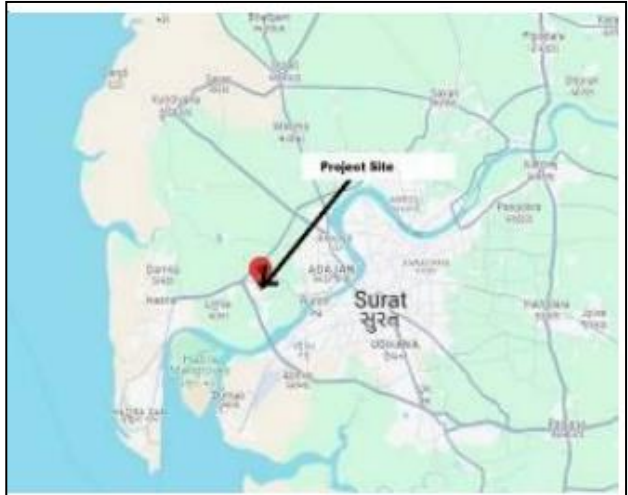
<b>CL ID</b>	00	<b>Section no.</b>		<b>Date:</b>
<b>Description of CL :</b>				
<i>n/a</i>				
<b>Project Owner's response</b>				<b>Date:</b>
<i>n/a</i>				
<b>Documentation provided by Project Owner</b>				
<i>n/a</i>				
<b>UWR Project Verifier assessment</b>				<b>Date:</b>
<i>n/a</i>				

Table 2. CARs from this Project Verification

<b>CAR ID</b>	00	<b>Section no.</b>		<b>Date:</b>
<b>Description of CAR</b>				
<i>n/a</i>				
<b>Project Owner's response</b>				<b>Date:</b>
<i>n/a</i>				
<b>Documentation provided by Project Owner</b>				
<i>n/a</i>				
<b>UWR Project Verifier assessment</b>				<b>Date:</b>
<i>n/a</i>				

Table 3. FARs from this Project Verification

<b>FAR ID</b>	Nil	<b>Section no.</b>		<b>Date:</b>
<b>Description of FAR</b>				
<i>n/a</i>				
<b>Project Owner's response</b>				<b>Date:</b>
<i>n/a</i>				
<b>Documentation provided by Project Owner</b>				
<i>n/a</i>				
<b>UWR Project Verifier assessment</b>				<b>Date:</b>
<i>n/a</i>				





Date: 27/12/2012

**CERTIFICATE OF COMPLETION**

This certificate is issued to confirm the completion of the lake development project as per the set regulations and standards.

**SELF-DECLARATION**

Name of the Lake: Ichchhapor HK HUB Sarovar 1

Place: Hari Krishna Exports Private Limited, Ichchhapor, Surat

Year of Construction: 2012-2013

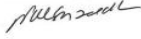
We Hari Krishna Exports Private Limited, hereby declare that the above-mentioned lake development project has been completed in-house and complies with the specified measurements and standards. The lake is now fully operational and meets all required environmental and safety standards.

We declare that the information provided herein is true and accurate to the best of our knowledge and belief.

The specific measurements of the lake are as follows:

- Length: 82 m
- Width: 82 m
- Depth: 5 m

Authorized Signatory:



Name: Nileshkumar Jada

Designation: General Manager



9, Hari Krishna Campus, Near Vraj Chowk, B/h. Sorathana Jakatsaka, Simada Gam, Surat-394211 (Gujarat) India.  
Tel.: +91-261-6770000 | Fax.: +91-261-6770001  
website: www.diamondykh.com



**INSPECTION, MONITORING AND COMPLIANCE REPORT**

This declaration serves as an official document affirming the commitment to the safety and maintenance of the Lake Development Project.

**SELF-DECLARATION**

Names of the Lake under the Lake Development Project:

- Ichchhapor HK HUB Sarovar 1
- Banaras Ghat Sarovar
- HK Sarovar

Location: Hari Krishna Exports Private Limited, Ichchhapor, Surat

We, Hari Krishna Exports Private Limited located at Ichchhapor, Surat, hereby declare that we have conducted a comprehensive inspection, monitoring, and compliance assessment for the above-mentioned lake. The activities included:

- Examination of lake infrastructure
- Assessment of water quality
- Observation of maintenance activities

We confirm that all safety measures and maintenance practices are in place and the project complies with all regulatory requirements. Any issues identified have been addressed or are in process.

Signature:



Name: Nileshkumar Jada

Designation: General Manager

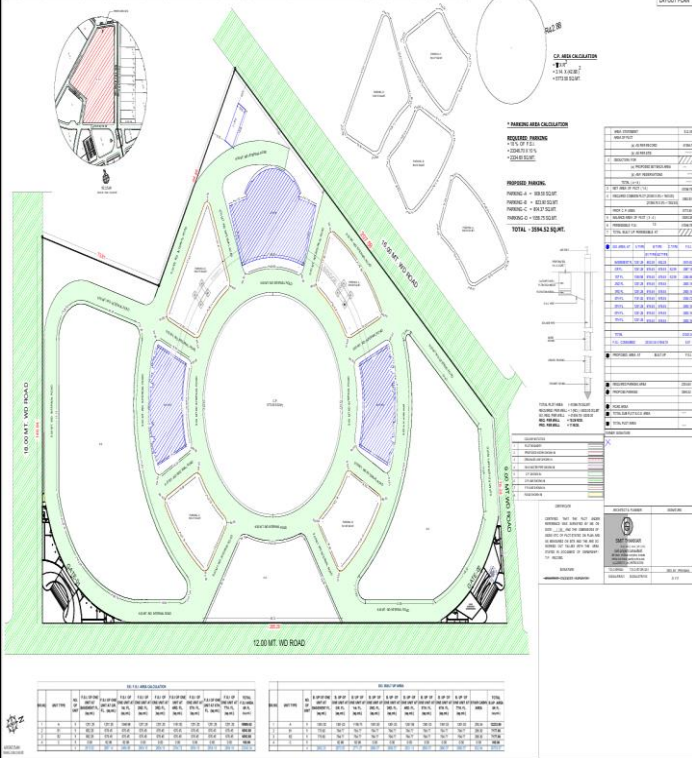
Date: 12/07/2024

**Hari Krishna Exports Pvt. Ltd.**  
C-12, Gems And Jewellery Park, Gujarat Hira Bourse, Ichchhapore,  
Surat - 394510, Gujarat, India  
O: +91 261 7110000  
CIN NO - U36912MH2012PTC227014

hk.co



**EXISTING PLAN FOR FACTORY BUILDING AT PLOT NO-D-02, GEM AND JEWELLERY PARK, ICHCHHAPORE, SURAT.**



**IN-HOUSE CONSTRUCTION PROJECTS**

This declaration serves as an official document to declare that the construction work undertaken is in-house, including the Lake Development Project.

**SELF-DECLARATION**

Names of the Lake under the Lake Development Project:

- Ichchhapor HK HUB Sarovar 1
- Banaras Ghat Sarovar
- HK Sarovar

Location: Hari Krishna Exports Private Limited, Ichchhapor, Surat

This is to declare that the building construction work, including the above-mentioned lake construction and work order for barriers/fencing, undertaken by Hari Krishna Exports Private Limited located at Ichchhapor, Surat, has been executed entirely in-house. Our dedicated team has ensured that all aspects of these projects meet the highest standards of quality and compliance with relevant regulations.

In adherence to our commitment to transparency and quality, we are enclosing the requisite documents pertaining to the Project.

Signature



Name: Nileshkumar Jada

Designation: General Manager

Date: 12/07/2024

**Hari Krishna Exports Pvt. Ltd.**  
C-12, Gems And Jewellery Park, Gujarat Hira Bourse, Ichchhapore,  
Surat - 394510, Gujarat, India  
O: +91 261 7110000  
CIN NO - U36912MH2012PTC227014

hk.co

