



ALLIANCE FOR WATER STEWARDSHIP (AWS) AUDIT REPORT

Based on AWS Standard Version 2.0

Nigerian Bottling Company (NBC)
RC 902, Head Office, Iddo House Ebutte Metta, Lagos

Report Date: 5/12/2020
Report Version: AWS checklist v5.0
Prepared by: Olalekan Emmanuel Akinwekomi
Project No.: 862174/PRC112530/2020/11AWS-2021.1
AWS Reference No.: AWS-000165

Project No.: 0AWS-2020.5

AWS Reference No.: 0

Contents

- 1. General Information**
 - 1.1. *Client Details***
 - 1.2. *Certification Details***
 - 1.2 Certification Details**
- 2. Executive Summary**
- 3. Scope of Assessment**
- 4. Description of the Catchment**
- 5. Summary on Stakeholder and shared Water Challenges**
 - 5.1. Major Non-conformities**
 - 5.2. Minor Non-conformities**
- 6. Schedule for Surveillance Audit**
- 7. Audit Checklist**
- 8. Conclusion and Recommendation Contents**
- 9. Summary on Certifier's review and certification decision**

1. General Information

1.1 Client Details

Company name:	Nigerian Bottling Company (NBC)
Business address:	RC 902, Head Office, Iddo House Ebutte Metta, Lagos
Auditing Site Address:	Plot 326 Industrial Layout, Owerri – Onitsha Express Road Owerri, Imo State, Nigeria.
Activities / Processes:	Production of soft drinks and bottled water
Principle contact person:	Olisa Araka
Office telephone:	+2347059604506
E-mail:	olisa.araka@cchellenic.com
Web site:	www.nigerianbottlingcompany.com

1.2. Certification Details

Inspection dates:	Friday, November 27, 2020
Audit team:	Olalekan Emmanuel Akinwekomi
Certification Date:	21/01/2021
Level of Certification:	AWS Gold
Proposed date for next audit:	Saturday, November 27, 2021
Audit Report completed by:	Olalekan Emmanuel Akinwekomi

Project No.:	862174/PRC112530/2020/11
AWS Reference No.:	AWS-000165

2. Executive Summary

The site is one of the bottling companies, which is a member of Coca-Cola Hellenic group. The main process of company is production of sparkling soft drink, packaged water and post-mix syrups. Production processes include one PET line, one RDB line and one BIB line manufacturing

No. of full-time employees: 330 with two shifts of working,

The water supply of the bottling plant originates from municipal water company and site uses 100% municipality water for production, process water, firefighting and sanitary purposes. The certification audit announcement was published 30 days before the audit, as required by AWS standard, in the following media; Control Union website, AWS website

The audit was conducted for Nigerian Bottling Company (NBC) Limited. A member of Coca Cola

The team was comprised of following personnel;

Name	Role in Audit
Jan Hofsteede	Lead Auditor
Olalekan Emmanuel Akinwekomi	Auditor

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The audit findings showed that the site meet up with all the core level criteria and majority of advance level criteria. Since there was not any minor or major Non-Conformities observed during the audit, it was decided to certify the site.

The site meets up with the requirements and criteria for Core as well as Advance level certification. Therefore, it is recommended to be awarded **Gold level of AWS certificate**.

3. Scope of Assessment

Audit Standard	Alliance for Water Stewardship V2.0
Initial Audit	Yes
Surveillance Audit	No
Upgradation Audit	No
Type of Certification	Single Site
Location of Audit	Plot 326 Industrial Layout, Owerri – Onitsha Express Road Owerri, Imo State, Nigeria.
Scope of Certification	AWS V2.0
Assessment on-site activities includes	Document review and physical visits to the following locations on the site; Water sources (Boreholes), Effluence Treatment Plant (ETP), Staff canteen, staff wash rooms/toilet, bottle washing section, chemical stores, water storage tanks and hygiene stations

4. Description of the Catchment

The catchment occupies the area between the lower part of River Niger and the upper and middle of Imo River. The topography, relief and morphology of the drainage area of the catchment show that strong relief occurred in limited areas. The catchment is located in the Benin formation of coastal plain sands which is made up of deep, porous, infertile and highly leached soil. The north zone of the catchment is predominantly occupied by the plateau and escarpment of highlands with relatively steep slopes. The northern zone is also known as the Okigwe Zone of Imo state and it contains impermeable layers of clay near the surface. The soil in other areas of the catchment consists of laterite material, under a superficial layer of fine grained sand. There is homogeneity of the rock structures. The vast low-lying areas are underlain by the coastal plain sands within the Niger Delta region of Nigeria. The climate of the catchment area has been known to be humid. Temperatures are similar all over the state. The mean annual temperature is 20°C. It has an

5. Summary on Stakeholder and shared Water Challenges

NBC Owerri major water related stakeholders identified include; Imo State Water and Sewage Corporation (ISWSC); Imo State Environmental Transformation Commission (ISETC); National Environmental Standards and Regulations Enforcement Agency (NESREA); Imo State Ministry of Environment (ISME); Nigerian Institution of Water Engineers (NIWE); Ministry of Water Resources Imo state; Environmental Science and Hydrogeology, Federal University of Technology Owerri (FUTO); FOBT OB (Staff Union) and Irete/Umuoyo Community (Host community). Some of the shared water challenges include; waste water discharge water, pollution control of water sources and WASH.

5.1 Major Non-conformities

Nil

5.2 Minor Non-conformities

Nil

6. Schedule for Surveillance Audit

	Type audit	Jaar	Planned audit date	Real audit date
1	Surveillance audit 1	2021	27/12/2021	

2	Surveillance audit 2	2022	27/12/2022	
3	Renewal audit	2023	27/12/2023	
4	Initial audit	2024		
5	Anders;			

As this initial audit is conducted on 27/11/2020, as per the requirement of standard surveillance audit must be scheduled within 13 months. Hence, next surveillance audit must be conducted on or before 27/12/2021. This date even includes any request for re-assessment for certification level upgradation

7. Checklist

STEP 1: GATHER AND UNDERSTAND: GATHER DATA TO UNDERSTAND SHARED WATER CHALLENGES AND WATER RISKS,									
	To ensure that the site gathers data on its water use and its catchment context and that the site uses these data to understand its shared water challenges as well as its contributions (both positive and negative) to these challenges, water risks, impacts, and opportunities. This information also informs the development of the site's water stewardship strategy and plan (Step 2) and guides the actions (Step 3) necessary to fulfil the site's commitments.								
Criteria No.	AWS Core Criteria V2.0								
1.1	<p>1.1 Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.</p> <p>Indicator(s)</p> <p>1.1.1 The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:</p> <ul style="list-style-type: none">- Site boundaries;- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;- Any water sources providing water to the site that are owned or managed by the site or its parent organization;- Water service provider (if applicable) and its ultimate water source;- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;- Catchment(s) that the site affect(s) and is reliant upon for water. <p>Findings</p> <p>The site physical scope with boundaries is mapped showing the water source (3 boreholes), waste water discharge points (both treated water and storm water) to Nwori river and pipe network. Evidence is available in NBC Owerri document titled "Drainage Integrity Test Repot for NBC Owerri plant, Imo state" Prepared by; Transparent Erath Nigeria Limite" July 2020</p> <table><tr><td>Yes</td><td>No</td><td>NA</td></tr><tr><td>X</td><td>-</td><td>-</td></tr></table> <p>Core CORE</p>			Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
1.2	<p>1.2 Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries</p> <p>Indicator(s)</p> <p>1.2.1 Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:</p> <ul style="list-style-type: none">- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;- Provide evidence of stakeholder consultation on water-related interests and challenges;- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;- Identify the degree of stakeholder engagement based on their level of interest and influence. <p>Findings</p> <p>Stakeholders and their water related challenges for NBC Owerri identied as contained in the site document titled "Water Stewardship Principal Stakeholders" . Site had regular physical meetings before the incident of COVID 19 pandemic but moved to virtual meetings because of the pandemic</p> <table><tr><td>Yes</td><td>No</td><td>NA</td></tr><tr><td>X</td><td>-</td><td>-</td></tr></table> <p>Core CORE</p>			Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
	<p>Indicator(s)</p> <p>1.2.2 Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.</p> <p>Findings</p> <p>Available in the NBC Owerri document titled "Water Stewardship principal stakeholder" where the degree of influence are clearly stateted</p> <table><tr><td>Yes</td><td>No</td><td>NA</td></tr><tr><td>X</td><td>-</td><td>-</td></tr></table> <p>Core CORE</p>			Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
1.3	<p>1.3 Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.</p> <p>Indicator(s)</p> <p>1.3.1 Existing water-related incident response plans shall be identified</p> <p>Findings</p> <p>NBC Owerri identified existing water-related incident response plan as contained in its Environmental Emmergency Preparedness and Response plan. Doc. No: OW-SP-EM-RM-06-01. Approved by: Plant Manager. Last Revised: June 2020.</p> <table><tr><td>Yes</td><td>No</td><td>NA</td></tr><tr><td>X</td><td>-</td><td>-</td></tr></table> <p>Advanced CORE</p>			Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
	<p>Indicator(s)</p>								

1.3.2	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped.									
	Findings	Core	CORE							
	NBC Owerri identified site water balance as shown on the document titled "Water Map Balance Owe Tool 2020" Last modified on 22nd November 2020. This map contains the inflow, lossess, storage and outflow.									
				<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA								
X	-	-								
1.3.3	Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.									
	Findings	Core	CORE							
	NBC Owerri quantified water balance is available the site following documents "Owerri Waste Water Treatment Plant Effleunt Report" November 2020; "Owerri Plant Daily Borehole Tracker' and Water Usage Tracker". These documents are updated daily as life document									
				<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA								
X	-	-								
1.3.4.	Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.									
	Findings	Core	CORE							
	NBC Owerri quantified quality of water sources (Boreholes) by both the site and the government regulatory agency (Imo State Water and Sewerage Corporation) water analysis.									
				<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA								
X	-	-								
1.3.5	Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site									
	Findings	Core	CORE							
	Potential source of pollution for NBC Owerri site were identified to be abandoned out of use borehole1 and possible contamination of wells by surface water due to flooding of Borehole 3 area during heavy downpour. Evidence available in NBC Owerri document titled "Source Water									
				<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA								
X	-	-								
1.3.6	On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.									
	Findings	Core	CORE							
	Not applicable									
				<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA								
X	-	-								
1.3.7	Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.									
	Findings	Core	CORE							
				<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA								
X	-	-								
1.3.8	Levels of access and adequacy of WASH at the site shall be identified.									
	Findings	Core	CORE							
	Provision of WASH locations around the site as contain in the site document titled "WASH Assessment Tools" October 2020									
				<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td></td> <td></td> </tr> </table>	Yes	No	NA	X		
Yes	No	NA								
X										

1.4

Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.

Indicator(s)

1.4.1

The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.

Findings

Core

Yes

No

NA

-

-

-

Not applicable

Indicator(s)

1.4.2

The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified

Findings

Core

CORE

Yes

No

NA

X

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-

NBC Owerri indirect water use was identified and quantified at estimated figure but not necessarily metered as indicated in the evidence provided. "NBC Owerri Indirect Water Use For Outsourced Services" Doc. No:OW-WI-WS01

Indicator(s)

1.4.3

Advanced Indicator

The embedded water use of primary inputs in catchment(s) of origin shall be quantified

Findings

Advanced

7

Yes

No

NA

X

-

-

The embedded water use of the primary inputs of origin is captured in the NBC water footprint of the primary site inputs which include sugar, CO2, concentrates Nitrogen and sweeteners.

1.5

1.5

Gather water-related data for the catchment, including: water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH

Indicator(s)

1.5.1

Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action

Findings

Core

CORE

Yes

No

NA

X

-

-

Part of water governance initiatives identified by NBC Owerri is the plan by Imo state government to reconstruct the water pipe network in Owerri industrial area. Evidence available in a stakeholders meeting held on November 23rd, 2020.

Indicator(s)

1.5.2

Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.

Findings

Core

CORE

Yes

No

NA

X

-

-

NBC Owerri applicable water related legal and regulatory requirements are captured in the site document titled "Legislative Register and Compliance Plan Owerri Plant" July 2020

Indicator(s)

1.5.3

The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.

Findings

Core

CORE

Yes

No

NA

X

-

-

The catchment water balance is captured in an external research document titled "Alternative Source of Water Supply for Owerri Area: by Onukwo A.A. Department of Geoscience, Federal University of Technology, Owerri South East, Nigeria. 2015.

Indicator(s)					
1.5.4					
Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.					
Findings	Core	CORE	Yes	No	NA
			X	-	-
The catchment water quality is captured in an external research document titled "Assessment of Groundwater Quality in Selected Area in Imo State in South Eastern Nigeria: by Anthony Chibuzo and others Department of Civil Engineering, Federal University of Technology, Owerri South East, Nigeria. 2014.					
Indicator(s)					
1.5.5					
Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement					
Findings	Advanced	CORE	Yes	No	NA
			X	-	-
One of the important water related area identified by the site is Oguta lake which is located on the map captured from external documents titled "Information Sheet on Ramsar Wetlands (RIS) 2006 - 2008 version" and "A bio-evaluation of the effects of anthropogenic activities around Oguta Lake South-East, Nigeria". by Adebayo ET and Ekeledo CB of the Department of fisheries technology, Federal Polytechnic Nekede, Nigeria. Dated November, 2019. and Published December 17, 2019.					
Indicator(s)					
1.5.6					
Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.					
Findings	Core	CORE	Yes	No	NA
			X	-	-
Catchment planned of water-related infrastructure identified by NBC Owerri is the plan by Imo state government to reconstruct the water pipe network in Owerri industrial area. Evidence available in a stakeholders meeting held on November 23rd, 2020.					
Indicator(s)					
1.5.7					
The adequacy of available WASH services within the catchment shall be identified					
Findings	Core	CORE	Yes	No	NA
			X	-	-
Adequacy of available WASH within the catchment is identified and captured in the NBC Owerri Enviromental Impact Assessment (EIA) Study. July 2019.					
Indicator(s)					
1.5.8					
Advanced Indicator					
Efforts by the site to support and undertake catchment level water-related data collection shall be identified					
Findings	Advanced	4	Yes	No	NA
			X	-	-
NBC Owerri efforts undertook in water-related data collection is evidence in its stakeholder meeting (virtual platform) where discussion is presently ongoing on collective water-related data gathering in the catchment					
Indicator(s)					
1.5.9					
Advanced Indicator					
The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.					
Findings	Advanced		Yes	No	NA
			-	X	-
1.6					
Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.					
Indicator(s)					

1.6.1	Shared water challenges shall be identified and prioritized from the information gathered.		
	Findings	Core	CORE
		Yes	No
		X	-
			NA
			-
Stakeholders and their water related challenges for NBC Owerri identified as contained in the site document titled "Water Stewardship Principal Stakeholders" . Site had regular physical meetings before the incident of COVID 19 pandemic but moved to virtual meetings because of the pandemic			
Indicator(s)			
1.6.2	Initiatives to address shared water challenges shall be identified.		
	Findings	Core	CORE
		Yes	No
		X	-
			NA
			-
Some of the initiatives by the stakeholders (majorly Imo state government agencies) to address shared water challenges were identified. Evidence available in NBC Owerri document titled "Water Stewardship Principal Stakeholders Actions to Address Concerns"			
Indicator(s)			
1.6.3	Advanced Indicator		
Future water issues shall be identified, including anticipated impacts and trends			
	Findings	Advanced	
		Yes	No
		X	-
			NA
			-
#####			
Indicator(s)			
1.6.4	Advanced Indicator		
Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.			
	Findings	Advanced	
		Yes	No
		X	-
			NA
			-
Available in the NBC Owerri document titled "Environmental Impact Assessment (EIA) Study" for The Proposed NBC Owerri Expansion Project in Owerri, Owerri West LGA, Imo state" July 2019. Page 5-8			
1.7	1.7		
Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.			
Indicator(s)			
1.7.1.	Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.		
	Findings	Core	CORE
		Yes	No
		X	-
			NA
			-
This is available in NBC Owerri document titled "Source Water Protection Plan SWPP" page 15 -16.			
Indicator(s)			
1.7.2	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.		
	Findings	Core	CORE
		Yes	No
		X	-
			NA
			-
Related water opportunities were identified as contained in the site document titled "Source Water Protection Plan (SWPP) Owerri Plant"			
1.8	1.8		
Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance			
Indicator(s)			

1.8.1 Relevant catchment best practice for water governance shall be identified.									
Findings	Core	CORE	<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
Creation of virtual platform (WhatsApp platform) for all water related stakeholders of NBC Owerri plant for regular interaction on water related issued.									
Indicator(s)									
1.8.2 Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.									
Findings	Core	CORE	<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
One of the NBC Owerri best practises towards water balance is Near loss spotting card that are strategically located in ten different points on site which gives every staff the opportunity to report any water leakage and opportunity for optimization.									
Indicator(s)									
1.8.3 Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.									
Findings	Core	CORE	<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
Annual voluntary external water quality analysis funded by NBC Owerri to check the water quality from the borehole and treated water onsite. Evidence available from the NBC Owerri document titled "SGS Water Monitoring 2020 - Owerri #832"									
Indicator(s)									
1.8.4 Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified									
Findings	Core		<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>-</td> <td>-</td> <td>X</td> </tr> </table>	Yes	No	NA	-	-	X
Yes	No	NA							
-	-	X							
Not applicable because there is no any important water related area on site									
Indicator(s)									
1.8.5 Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified									
Findings	Core	CORE	<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
Annual independent WASH self assessment on site using World Business Council for Sustainable Development (WBCSD). Evidence available from NBC document titled "WBCSD Water, Sanitation and Hygiene (WASH) implementation at Workplace Self assessment Tool October 2020"									
Maximum 29 Core Indicators.		Achieved	26						
Maximum score Advanced 25 points.		Achieved	11						
Step 2: Commit and Plan – COMMIT TO BE A RESPONSIBLE WATER STEWARD AND DEVELOP A WATER STEWARDSHIP PLAN									
Intent: To ensure there is sufficient leadership support, site authority, and allocated resources for the site to implement the AWS Standard. It focuses on how a site will act on shared water challenges and improve its performance and the status of its catchment in terms of the AWS water stewardship outcomes. Step 2 links the information gathered in Step 1 to the actions implemented in Step 3, by describing who will do what and when.									
2.1	2.1 Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.								
Indicator(s)									
2.1.1 A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments: - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans - That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard.									
Findings	Core	CORE	<table border="1"> <tr> <th>Yes</th> <th>No</th> <th>NA</th> </tr> <tr> <td>X</td> <td>-</td> <td>-</td> </tr> </table>	Yes	No	NA	X	-	-
Yes	No	NA							
X	-	-							
NBC Owerri water stewardship commitment is signed by the plant manager (Olisa Araka) September 2020, publicly displayed at the site/plant main gate and shared among stakeholders.									
Indicator(s)									

2.1.2 Advanced Indicator A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization's senior-most executive or governance body and publicly disclosed shall be identified.				
Findings	Advanced	1	Yes	No
			X	-
Coca Cola Hellenic Group water stewardship policy is available on the group website and signed by the group CEO (Dimitris Lois).				-
2.2				
2.2 Develop and document a process to achieve and maintain legal and regulatory compliance.				
Indicator(s)				
2.2.1 The system to maintain compliance obligations for water and wastewater management shall be identified, including: - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies				
Findings	Core	CORE	Yes	No
			X	-
Environmental Management System (EMS) of NBC Owerri plant is identified to maintain compliance obligations for water and wastewater management. Evidence in NBC Owerri document titled "Work Aid Responsibility and Authority Owerri Plant" Doc No: OWPR-EN-02 Approved by Plant Manager and Revised last date: July 2020				
Indicator(s)				
2.3.1 A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.				
Findings	Core	CORE	Yes	No
			X	-
NBC Owerri water stewardship strategy identified and contained in the site document titled "NBC Owerri Water Stewardship Plan Water Aid" Doc No: OW-WI-WS.02				
Indicator(s)				
2.3.2 A water stewardship plan shall be identified, including for each target: - How it will be measured and monitored - Actions to achieve and maintain (or exceed) it - Planned timeframes to achieve it - Financial budgets allocated for actions - Positions of persons responsible for actions and achieving targets - Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.				
Findings	Core	CORE	Yes	No
			X	-
NBC Owerri water stewardship plan identified and contained in the site document titled "NBC Owerri Water Stewardship Plan Water Aid" Doc No: OW-WI-WS.02				
Indicator(s)				
2.3.3 Advanced Indicator The site's partnership/water stewardship activities with other sites within the same catchment (which may or may not be under the same organisational ownership) shall be identified and described.				
Findings	Advanced		Yes	No
			X	-
NBC Owerri in partnership with Imo State Water and Sewerage Corporation organized a public lecture on Integrated Water Resources Management. NBC Owerri also organized a sensitization campaign on water management in Irete Secondary School Owerri during world water day and environmental clean up outside the site premises. Activities were organised by NBC Owerri and not partnership activities. Evidence not accepted				
Indicator(s)				
2.3.4 Advanced Indicator The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be identified.				
Findings	Advanced	4	Yes	No
			X	-

NBC Nigeria partner with Kano state water board and local communities to establish the first phase of Challawa Water supply project to provide water to the inhabitants of the Challawa communities in Kano state. Evidence available on the Coca cola internet "www.coca-colahellenic.com/en/a-more-sustainable-future/performance/case-studies"

Indicator(s)

2.3.5

Advanced Indicator

Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.

Findings

Advanced

Yes	No	NA
X	-	-

NBC Owerri provided evidence titled "Water Stewardship Principal Stakeholders". The evidence contains the Entity, Roles/Responsibilities, Concerns, Communication Tune, Contact and Degree of influence. However, no target set in the evidence to reach any consensus.

2.4

2.4 Demonstrate the site's responsiveness and resilience to respond to water risks

Indicator(s)

2.4.1

A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.

Findings

Core CORE

Yes	No	NA
X	-	-

One of the NBC Owerri identified water risk is the non-availability of alternative water sources apart from the boreholes on site. Imo state water and sewerage corporation plan installation of water pipe network around the NBC site with the promise of supply to NBC incase of shortage of water supply. Evidence is available in an agreement letter dated 15th Septemebr, 2009 by Imo state government and a request letter by NBC dated 20th August 2011"

Indicator(s)

2.4.2

Advanced Indicator

A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.

Findings

Advanced

Yes	No	NA
X	-	-

NBC Owerri provided Coca cola Hellenic Group sustainability plan which is related to climate change but not site specific.

Maximum 5 Core Indicators. Achieved 5
Maximum score Advanced 22 points. Achieved 5

Step 3: IMPLEMENT THE SITE'S STEWARDSHIP PLAN AND IMPROVE IMPACTS

Intent: To ensure that the site is implementing the plan outlined in Step 2, mitigating risks and driving actual improvements in performance.

3.1

3.1 Implement plan to participate positively in catchment governance.

Indicator(s)

3.1.1

Evidence that the site has supported good catchment governance shall be identified

Findings

Core CORE

Yes	No	NA
X	-	-

NBC Owerri continues stakeholders meeting online discuss share water challenges. This is evidence on the WhatsApps platform created by the site.

Indicator(s)

3.1.2

Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.

Findings

Core CORE

Yes	No	NA
X	-	-

This is covered under the water related legal and regulatory requirement of NBC Owerri.

Indicator(s)

3.1.3				Advanced Indicator		
Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified						
</						

3.3.4

Advanced Indicator

The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified

Findings	Advanced	6	Yes	No	NA
			X	-	-

Available as unbranded water donated to host communities via taps installed outside the site with up to date total volume of 2,597,000 litres as at end of November 2020 (CC)

3.4

Implement plan to achieve site water quality targets.

Indicator(s)			Yes	No	NA
3.4.1					
Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.					
Findings	Core	CORE	X	-	-

Status of progress towards meeting NBC Owerri water quality target is available in the Sources Water Protection Plan.

Indicator(s)			Yes	No	NA
3.4.2					
Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.					
Findings	Core	CORE	X	-	-

Continual improvement to achieve best practice for NBC Owerri effluent is identified in the daily effluent monitory report and quarterly effluent monitory report. "Report of 2020 Third Quarter Facility Monitory Exercise on NBC Owerri Plant " August 2020

3.5

Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.

Indicator(s)			Yes	No	NA
3.5.1					
Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.					
Findings	Core		-	-	X

No site important water related area on site

Indicator(s)			Yes	No	NA
3.5.2					
Advanced Indicator					
Evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including where appropriate cultural values from a site-selected baseline date shall be identified. Restored areas may be outside of the site, but within the catchment.					
Findings	Advanced		-	-	X

No site important water related area on site

Indicator(s)			Yes	No	NA
3.5.3					
Advanced Indicator					
Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be identified.					
Findings	Advanced		-	-	X

No site important water related area on site

3.6

Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.

Indicator(s)			Yes	No	NA
3.6.1					
Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.					
Findings	Core	CORE	X	-	-

Provision of water drinking points in the site canteen, provision of toilets and urinaries at 8 locations on site and provision of 23 hygiene stations (hand washing points)					
Indicator(s)					
3.6.2 Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for Indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.					
Findings	Core	CORE	Yes	No	NA
			X	-	-
NBC Owerri fulfills the water regulatory requirements enforcing by state agencies where the human right to safe water and sanitation of coomunities where its operates. This is available in the site legal reister					
Indicator(s)					
3.6.3 Advanced Indicator A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene measures shall be identified					
Findings	Advanced		Yes	No	NA
			X	-	-
NBC Owerri provided boreholes at 2 locations in the host community (Irete) and extended water supply from the site to the immediate sorounding.					
Indicator(s)					
3.6.4 Advanced Indicator In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.					
Findings	Advanced	4	Yes	No	NA
			X	-	-
NBC Owerri signed a Memorendum of Understanding with USAID E-WASH program Nigeria. The partnership program is to span between May 24, 2018 to February 22, 2022.					
3.7 Implement plan to maintain or improve indirect water use within the catchment.					
Indicator(s)					
3.7.1 Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified					
Findings	Core	CORE	Yes	No	NA
			X	-	-
NBC Owerri indirect water use target is embeded in the site direct water use and the target. The indirect water use is quantified (estimated) and the direct water use targets are continually met. Evidence available in NBC Owerri Year on Year Environmental Performance Trend.					
Indicator(s)					
3.7.2 Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.					
Findings	Core	CORE	Yes	No	NA
			X	-	-
Evidence available in the email communication between the NBC National Water Resource Manager and the suppliers.					
Indicator(s)					
3.7.3 Advanced Indicator Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented					
Findings	Advanced		Yes	No	NA
			-	X	-
Not available					
3.8 Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.					
Indicator(s)					
3.8.1 Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.					
Findings	Core		Yes	No	NA
			-	-	X
No shared water-related infrastructure yet.					

3.9

3.9 Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.

Indicator(s)				
3.9.1 Actions towards achieving best practice, related to water governance, as applicable, shall be implemented				
Findings	Core	CORE	Yes	No
			NA	
Creation of virtual platform (WhatsApp platform) for all water related stakeholders of NBC Owerri plant for regular interaction on water related issued.			X	-
			-	-
Indicator(s)				
3.9.2 Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.				
Findings	Core	CORE	Yes	No
			NA	
One of the NBC Owerri best practices towards achieving water balance is the use of daily update of water balance map and top ten water saving initiative			X	-
			-	-
Indicator(s)				
3.9.3 Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.				
Findings	Core	CORE	Yes	No
			NA	
Daily physico-chemical analysis and review of water sources and daily physico-chemical analysis and review of treated waste water. Engagement of vendor/services provider			X	-
			-	-
Indicator(s)				
3.9.4 Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.				
Findings	Core		Yes	No
			NA	
Not applicable			-	-
			X	-
Indicator(s)				
3.9.5 Actions towards achieving best practice related to targets in terms of WASH shall be implemented				
Findings	Core	CORE	Yes	No
			NA	
NBC Owerri conducts daily toilet cleaning and monitoring, workplace accountability audit (biennial) to check the effectiveness of WASH on site and develop corrective action plan (if any) and also conduct WBCSD WASH self assessment annually.			X	-
			-	-
Indicator(s)				
3.9.6 Advanced Indicator Achievement of identified best practice related to targets in terms of good water governance shall be quantified				
Findings	Core		Yes	No
			NA	
The creation of the virtual WhatsApp platform has improved communication and help in decision making among the stakeholders			X	-
			-	-
Indicator(s)				
3.9.7 Advanced Indicator Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified				
Findings	Advanced	8	Yes	No
			NA	
The top ten near loss water initiative has resulted to drastic reduction in water leakages and increase efficient water use.			X	-
			-	-
Indicator(s)				
3.9.8 Advanced Indicator Achievement of identified best practices related to targets in terms of water quality shall be quantified				
			Yes	No
			NA	

Findings	Advanced	8	X	-	-
The daily physico-chemical analysis and review of raw and treated water has consistently enable NBC Owerri to meet all the quality target set by both the regulatory agencies and KORE (Coca cola Hellenic) standard					
Indicator(s)					
3.9.9 Advanced Indicator Achievement of identified best practices related to targets in terms of the site's maintenance of Important Water-Related Areas have been implemented.					
Findings	Advanced		Yes	No	NA
Not applicable			-	-	X
Indicator(s)					
3.9.10 Advanced Indicator Achievement of identified best practice related to targets in terms of WASH shall be quantified.					
Findings	Advanced		Yes	No	NA
NBC Owerri provided evidence from the SVA but not relevant			-	X	-
Indicator(s)					
3.9.11 Advanced Indicator A list of efforts to spread best practices shall be identified					
Findings	Advanced		Yes	No	NA
NBC Owerri provided evidence from the MOU signed with USAID not relevant			-	X	-
Indicator(s)					
3.9.12 Advanced Indicator A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be identified.					
Findings	Advanced		Yes	No	NA
Evidence not available			-	X	-
Indicator(s)					
3.9.13 Advanced Indicator Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.					
Findings	Advanced		Yes	No	NA
Evidence not available			-	X	-
Maximum 20 Core Indicators.		Achieved	15		
Maximum score Advanced 97 points.		Achieved	30		
Step 4: EVALUATE THE SITE'S PERFORMANCE					
Intent: To review a site's performance against the actions taken in Step 3, learn from the results – both intended and unintended – and inform the next iteration of the site's water stewardship plan. This evaluation shall occur at least annually, but sites should consider more frequent evaluations.					
4.1	4.1 Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.				
Indicator(s)					
4.1.1 Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.					

		Findings	Core	CORE	Yes	No	NA
					X	-	-
					NBC Owerri water stewardship plan performance was evaluated and targets achieved. Evidence available in the site evaluated water stewardship plan.		
		Indicator(s)			Findings	Core	CORE
		Indicator(s)			Findings	Core	CORE
		Indicator(s)			Findings	Core	CORE
		Indicator(s)			Findings	Advanced	3
4.2	4.2	Indicator(s)			Findings	Core	CORE
		Indicator(s)			Findings	Core	CORE
4.3	4.3	Indicator(s)			Findings	Core	CORE
		Indicator(s)			Findings	Advanced	3

4.4

Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.

Indicator(s)

4.4.1
The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.

Findings

Core

Yes

No

NA

-

-

X

NA because it is the first time we are implementing.

Maximum 6 Core Indicators.

Achieved

4

Maximum score Advanced 9 points.

Achieved

3

Step 5: COMMUNICATE ABOUT WATER STEWARDSHIP AND DISCLOSE THE SITE'S STEWARDSHIP EFFORTS

Intent: To encourage transparency and accountability through communication of performance relative to commitments, policies, and plans. The disclosure of relevant information allows others to make informed opinions on a site's operations and tailor their involvement to suit.

1

5.1
Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.

Indicator(s)

5.1.1
The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.

Findings

Core

CORE

Yes

No

NA

X

-

-

NBC Owerri water -related internal governance is disclosed in the site Water and Energy Conservation team and legal and other requirements document

2

5.2
Communicate the water stewardship plan with relevant stakeholders.

Indicator(s)

5.2.1
The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.

Findings

Core

CORE

Yes

No

NA

X

-

-

NBC Owerri water stewardship plan was communicated virtually to the stakeholder on the WhatsApp platform created for that purpose.

3

5.3
Disclose annual site water stewardship summary, including the relevant information about the site's annual water stewardship performance and results against the site's targets

Indicator(s)

5.3.1
A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.

Findings

Core

CORE

Yes

No

NA

X

-

-

This is available in the NBC Owerri report to National Environmental Standards and Regulations Enforcement Agency (NESREA) August 2020. The documents is titled "Report of the 2020-2021 Environmental Management Framework Review."

Indicator(s)

5.3.2
Advanced Indicator
The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report

Findings

Advanced

Yes

No

NA

-

X

-

This is available in the NBC Owerri report to National Environmental Standards and Regulations Enforcement Agency (NESREA) August 2020. The documents is titled "Report of the 2020-2021 Environmental Management Framework Review."

Indicator(s)

5.3.3	Advanced Indicator			
	Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.			
	Findings	Advanced	Yes	No
	Not available	-	X	-
5.4	5.4 Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies			
	Indicator(s)			
	5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be disclosed			
	Findings	Core	CORE	Yes
5.5	The site shared water related challenges and efforts were made known to stakeholders on the virtual platform (WhatsApp platform) created by NBC Owerri for its stakeholders.	X	-	-
	Indicator(s)			
	5.4.2 Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.			
	Findings	Core	CORE	Yes
5.5	NBC Owerri effort made to engage stakeholders is identified in the creation virtual platform (WhatsApp platform) for its stakeholders.	X	-	-
	5.5 Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.			
	Indicator(s)			
	5.5.1 Any site water-related compliance violations and associated corrections shall be disclosed.			
5.5	Findings	Core	CORE	Yes
	One of the NBC Owerri water -related compliance violation is the Total Desolved Solid (TDS) violation which was disclosed to National Environmental Standards and Regulations Enforcement Agency (NESREA) and Imo State Ministry of Environment and Natural Resources (IMSMEvNR)	X	-	-
	Indicator(s)			
	5.5.2 Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.			
5.5	Findings	Core	CORE	Yes
	NBC Owerri disclosed the correction action to National Environmental Standards and Regulations Enforcement Agency (NESREA) and Imo State Ministry of Environment and Natural Resources (IMSMEvNR)	X	-	-
	Indicator(s)			
	5.5.3 Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.			
5.5	Findings	Core	CORE	Yes
	One of the NBC Owerri water -related compliance violation is the Total Desolved Solid (TDS) violation which was disclosed to National Environmental Standards and Regulations Enforcement Agency (NESREA) and Imo State Ministry of Environment and Natural Resources (IMSMEvNR)	X	-	-
	Maximum 8 Core Indicators. Achieved 8			
	Maximum score Advanced 2 points. Achieved			

8. Formal sign off of assessment findings by Company Representative and Auditor

I the undersigned, being the most senior relevant management representative of the operation seeking or holding certification, agree with the contents and audit findings as presented in this checklist and audit report.

I also confirm:

- Acceptance of liability in execution of the instructions given in the reports.
- That this company was made aware that the findings of the audit team are tentative; pending review and decision making by the duly designated representatives of Control Union Certifications.

Name:	Olakunle Fatola
Position:	Environment and System Manager
date:	Friday, November 27, 2020

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I the undersigned, being the lead auditor, confirm that this report is an accurate record of the findings and of the closing meeting.

Name:	Olalekan Emmanuel Akinwekomi
Position:	Auditor
date	Friday, November 27, 2020

9. Summary on Certifier's review and certification decision

9.1. Summary on Certifier's review

The site is in compliance with AWS standard core level and working on AWS advanced criteria requirements. The site needs to continue their efforts in for all AWS outcomes and need to review their performance periodically to analyse and implement related actions.

9.2. Conclusion and Recommendation

This audit is a recertification for CC Armenia. Employees showed good awareness of the AWS system, no violations were detected during the audit. Although the additional requirements are met, it is recommended to assign a "GOLD level" because not all additional requirements are fully met or completed (future improvements in the following years).

Summary Score

	Max Core Points	Core Points	Max Advanced Point	Avanced
step 1: Gather & Understand	29	26	25	11
step 2: Commit & Plan	5	5	22	5
step 3: Implement	20	15	97	30
step 4: Evaluatie	6	4	9	3
step 5: Communicatie & Disclose	8	8	2	
Total	68		155	

Evaluation result

58

49

9.3. Points table

AWS Certification Level	Points	Auditor's Findings	Certifier's Findings
AWS CORE	0-39	AWS Gold	AWS Gold
AWS Gold	40-79		
AWS Platinum	80 or more		

9.4. Decision on Certification

The site has complied with the AWS Standard Core Criterias and as per the points scored for advanced criteria, site has achieved AWS Gold Level of Certification.

9.5. Certifier's Details

Name:	Abhijeet Ghone
Position:	Certifier
Signature and date:	21/01/2021