

Dated: 05.11.2025

To

The Additional Principal Chief Conservator of Forests (C)
MoEF Regional Office, Southern Zone ,
4th Floor, E&F wing , Kendriya Sadan,
Koramangala II Block,
Bangalore-560 034.

**Subject:- Environment Clearance -of LULU Convention and Exhibition Centre Pvt.Ltd
Survey No.31/4 and 31/20 at Bolgatty Island, Mulavukad Village, Kanayannur Taluk for
the half yearly period from April 2025 to September 2025.**

Respected Sir,

With reference to the above subject please find enclosed the Environment Monitoring Report for the half yearly period for April 2025 to September 2025.

Kindly acknowledge the receipt

Thanking You

Yours faithfully,
For LULU Convention and Exhibition Centre Pvt.Ltd.


Vittal Kudtarkar

.....
Encl:

Compliance Report
DG Stack Monitoring Report
Boiler Stack Monitoring Report
Water Test Report
Air Monitoring Report



CC to: -

1. The Member Secretary,
State Environment Impact Assessment Authority (SEIAA),
Thiruvananthapuram, Kerala
2. The Director, Dept. of Environment and Climate Change,
Govt of Kerala, Trivandrum-24

**ENVIRONMENT MONITORING COMPLIANCE REPORT OF
STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE**

Half Yearly Report No 14 for the Period

From April 2025 to September 2025.

FOR

“HOTEL, CONVENTION AND EXHIBITION CENTRE.”

BOLGATTY

By

**LULU CONVENTION AND EXHIBITION CENTRE PVT. LTD.
Ernakulum District,
Kerala.**

**SUBMITTED TO:
MINISTRY OF ENVIRONMENT AND FORESTS (MOEF)**

**SUBMITTED BY:
LULU CONVENTION AND EXHIBITION CENTRE (Pvt Ltd)
34/1000, NH.47, EDAPPALLY, KOCHI – 682024
www.lulugroupinternational.**

INDEX

Chapters	Particulars
Chapter 1	Purpose of the report
Chapter 2	Project detail
Chapter 3	Post Environmental Clearance Compliance Report
Part A	Compliance - operational phase
Part B	Compliance – Special Conditions
Part C	Compliance – General Conditions
Annexure 1	Landscape Photographs
Annexure 2	CSR Activities
Annexure 3	Rainwater Harvesting
Annexure 4	Plantation of Trees
Annexure 5	Photographs of Solar Panels
Annexure 6	Photographs of STP
Annexure 7	Test Reports

Chapter- 1 : PURPOSE OF THE REPORT

As per the “General Conditions of sl.no(xi) of SEIAA, it is stated that *”The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data(both in hard copies as well as by email) and upload the status of compliance of the stipulated EC conditions ,including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also the Directorate of Environment and Climate Change, Govt. of Kerala. ”* and as per compliance of condition mentioned in Environment clearance Letter (i.e. Part B General Condition, point number II), Six monthly compliance reports should be submitted to the MOEF, CCF, Regional office of MOEF, Bangalore.

It is mandatory to submit a Six-Monthly Compliance Report to show the status and compliance of the conditions mentioned in Environment Clearance Letter, along with monitoring of various Environmental Parameters (as per CPCB Norms)

The regulatory authorities in this case is State Environment Impact Assessment Authority Kerala. Various scheduled Site visits were conducted by a team of Experts to Monitor Pollution related parameters as defined by CPCB. Samples for water was collected for analysis and the noise level was monitored.

Based on the Specific and General Conditions mentioned in the EC Letter, a Compliance Report is prepared by a Team on behalf of LuLu Management.

Methodology for Preparation of Report is as follows:

- 1) Study of EC Letter & Related Documents,
- 2) Site Visits by a Team of Experts,
- 3) Monitoring of Environment Parameters, viz. Ambient Air, Water, Noise, Soil & DG Sets,
- 4) Analysis of Samples collected during Monitoring,
- 5) Interpretation of Monitoring Results,
- 6) Preparation of Corrective Action & Preventive Action (CAPA) Plan in case emission / effluent levels are beyond prescribed limits,
- 7) Suggestions for Implementation of various Action Plans.

Compliance to the conditions laid down for "Lulu Convention and Exhibition Centre Pvt. Ltd at Bolgatty Island, Mulavukad Village, Kanayannur Taluk, Ernakulam (Dt). During the "Operation Phase" and "General Conditions", while according Environmental Clearance from MoEF to establish the project. Construction works are completed and Hotel Inaugurated by Honourable Chief Minister of Kerala Mr. Pinarai Vijayan on 28-04-2018 and since then the hotel is in operation.

SEIAAK 86/SEIAA/KL/379/2013 Dated 23 August 2013

PART A - OPERATION PHASE

Sl. No.	CONDITIONS	COMPLIANCE
1	The total daily domestic water requirement for the proposed project is 479.90 KL/day	Complied. The Daily water requirement is within 479.90 KL/day.
2	The wastewater generated from the proposed project will be treated in a STP of capacity about 700 KL/day. Solid waste of 1314 Kg/day generated will be collected separately as biodegradable and non-biodegradable waste as per the MSW rule 2000. The non-biodegradable and recyclable waste would be sold to the recyclers. The biodegradable waste along with sludge from STP would be sent to the biogas generation plant (of capacity about 700 kg/day) to be developed within the premises. The biogas generated (expected to be about 30 kg/day) would be consumed in the kitchen attached with a restaurant within the site. The manure produced from	The Waste water generated is treated in the STP and the treated water is used for garden irrigation and for HVAC Cooling tower. The solid waste collected separately as biodegradable and non-biodegradable .Non bio-degradable and recyclable waste are disposed of to recyclers. Biodegradable waste is disposed of to approve agencies. Approved Recycler - ECOGREEN SND Junction, Aluva, Kochi, Kerala

	biogas generation facility would be used for green area development within the premises.	
--	--	--

PART B- SPECIFIC CONDITIONS

3.	The landscape plan proposed in which index of tree species and index number of each plant species are provided must be implemented.	The details are already furnished. Photographs attached as Annexure 1
4.	No untreated wastes should be let into the water body.	Excepting surplus Rainwater, no untreated wastewater is disposed of. The STP treated water is used for irrigation, gardening and HVAC Cooling Tower.
5.	Under the CSR activities as per the Companies Bill 2011, the Vypin drinking water scheme shall be implemented on priority as agreed to.	We have restored the wild growth on both side of the road leading to the Bolgatty palace. We have renovated and repaired the road leading to Bolgatty Palace, which was in very bad condition. Annexure 2.
6.	The amount allocated for CSR activities linked with present project should be informed to SEIAA and be included in the specific conditions.	The activities during April 2025 to September 2025. Attached ANNEXURE-2

PART C- GENERAL CONDITIONS

7.	Rainwater harvesting to collect and utilize the entire water falling in land area should be provided.	Rainwater harvesting is done, and water utilised. The capacity of Rainwater Harvesting is 125KL. Annexure 3
The 8.	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	Environmental Monitoring Cell (EMC) Head of the EMC: - Nibu Mathew, Hotel Manager, Grand Hyatt Bolgatty. Member: - Babu Varghese, Project Director, LuLu Mall, Kochi Member: -Sadik Kassim, Commercial Manager, LULU International shopping Mall Pvt.Ltd. Member Secretary: - Vittal Kudtarkar, Director of Engineering, Grand Hyatt, Bolgatty.
9.	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Many trees are planted on either side of the road and in open parking areas. Please see the attached photograph as Annexure 4
10.	The project shall incorporate devices for solar energy generation and utilization to the maximum possible extent with the possibility of contributing the same to the national grid in future.	Solar panels installed to the maximum extend possible. Please see the attached photographs as Annexure 5
11.	The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by email) and upload the	Noted and Half Yearly Reports are submitted regularly.

	<p>status of compliance of the stipulated EC conditions ,including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Gov. of India and to the Directorate of Environment and Climate Change, Govt of Kerala.</p>
12.	<p>STP should be installed and made functional as per KSPCB guidelines, including solid waste management.</p> <p>STP is installed, and it is functional as per KSPCB norms. Capacity is 350KL/ plant x 2nos. Annexure 6.Total 700KL/day</p>
13.	<p>The time schedule for the completion of the project should be informed to SEIAA.</p> <p>The project was completed and inaugurated on 28-04-2018, and since then, we have been in the operational phase.</p>



Vittal Kudtarkar

Director of Engineering



ECO GREEN
A Complete Solution of Your Waste

Monthly Waste Management Report

Month: August 2025

1. Client Details

Client Name: GRAND HYATT BOLGATTY

Location: Kochi, Kerala

Service Type: Waste Collection, Segregation, Recycling & Safe Disposal

2. Waste Collection Details

Category	Collected (Kg)	Remarks
Daily Collection	28,800	
Engineering Waste	1,200	
Garden Waste	6,900	Leaves, branches, organic waste
Total Waste	36,900	
Recycled Waste	12,960	

3. Waste Management Process

- Segregation: Waste was segregated at the source.
- Recycling: Plastic, metal, glass, and paper were sent to authorized recyclers.
- Composting: Garden waste was processed into organic compost.
- Safe Disposal: Non-recyclable waste was disposed of as per Pollution Control Board regulations.

4. Challenges & Recommendations

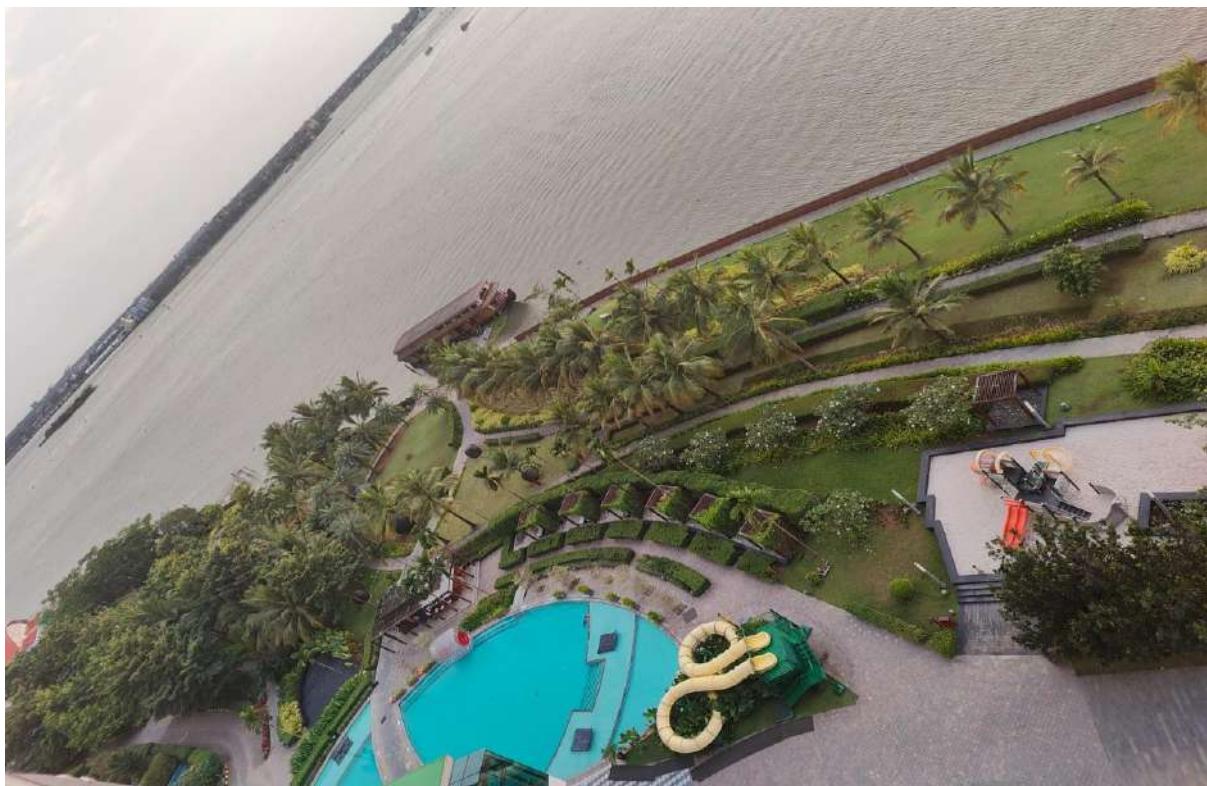
- Improved waste segregation is required from staff.
- Awareness and training programs are recommended.
- Separate bins in common areas should be installed for better waste management.

5. Conclusion

In August 2025, ECO GREEN successfully handled 36,900 Kg of waste. Maximum recycling, safe disposal, and environmental protection were ensured.

- Prepared by: ECO GREEN Waste Management Team
- Date: 03-09-2025

Annexure 1





Annexure 2









Annexure 3



Annexure 4





Annexure 5





COCHIN TEST HOUSE

ANALYTICAL SERVICES & TESTING LABORATORY

XIV-20 / A, Kollanpady, Murungeliparambu Road, Irumpanam P.O., Kochi - 682 309

Mob.: 9446332556, 9846551014, 9387381780. Tel. : 0484 - 2782672

E-mail: cochintesthouse1@gmail.com, info@cochintesthouse.in. Web : www.cochintesthouse.in



TC - 7720

Laboratory Approved by Kerala State Pollution Control Board ('A' Grade)

STACK EMISSION MONITORING REPORT

Page 1 of 1

Report No.: CTH/LR/25/09/1600

Issue Date: September 25, 2025

Unique Lab Report Number	TC772025000001600F
Name & Address of the customer	M/s. Grand Hyatt Kochi Bolgatty, Mulavukad, Kochi, Ernakulam, Kerala - 682504
Monitored By	Cochin Test House
Lab Identification No.	25/09/1600
Identification of Sample	Stack Emission from DG's
Monitoring Date	18.09.2025
Dates of analysis	19.09.2025 – 25.09.2025

Sl. No.	Parameters	Unit	Method	Result			
				1500 KVA DG - 1	1500 KVA DG - 2	1500 KVA DG - 3	1500 KVA DG - 4
1	Volume of Emission	Nm ³ /hr	IS : 11255 [Pt.3]	3450	3416	3333	3374
2	Particulate Matter	mg/Nm ³	IS : 11255 [Pt.1]	82.7	72.3	77.9	76.5
3	Sulphur Dioxide [SO ₂]	mg/Nm ³	IS : 11255 [Pt.2]	21.8	19.1	24.6	21.8
4	Nitrogen Dioxide [NO _x]	mg/Nm ³	IS : 11255 [Pt.7]	86.9	93.6	99.1	99.1

End of report



*Henry S
Remya PA*

Authorised Signatory
Chemical
COCHIN TEST HOUSE

Verified By

Nimmi

NOTE : This test results relate only to the sample submitted for analysis.

The test report shall not be reproduced except in full without the written approval of the laboratory.



COCHIN TEST HOUSE

ANALYTICAL SERVICES & TESTING LABORATORY

XIV-20 / A, Kollanpady, Murungeliparambu Road, Irumpanam P.O., Kochi - 682 309
 Mob.: 9446332556, 9846551014, 9387381780. Tel. : 0484 - 2782672
 E-mail: cochintesthouse1@gmail.com, info@cochintesthouse.in. Web : www.cochintesthouse.in



Laboratory Approved by Kerala State Pollution Control Board ('A' Grade)

STACK EMISSION MONITORING REPORT

Page 1 of 1

Report No.: CTH/LR/25/09/1601

Issue Date: September 25, 2025

Unique Lab Report Number	TC772025000001601F
Name & Address of the customer	M/s. Grand Hyatt Kochi Bolgatty, Mulavukad, Kochi, Ernakulam, Kerala - 682504
Monitored By	Cochin Test House
Lab Identification No.	25/09/1601
Identification of Sample	Stack Emission from Boiler 1 & 2
Monitoring Date	18.09.2025
Dates of analysis	19.09.2025 – 25.09.2025

Sl. No.	Parameters	Unit	Method	Result	
				BOILER - 1	BOILER - 2
1	Volume of Emission	Nm ³ /hr	IS : 11255 [Pt.3]	3488	3478
2	Particulate Matter	mg/Nm ³	IS : 11255 [Pt.1]	31.4	44.6
3	Sulphur Dioxide [SO ₂]	mg/Nm ³	IS : 11255 [Pt.2]	13.6	16.4
4	Nitrogen Dioxide [NO _x]	mg/Nm ³	IS : 11255 [Pt.7]	83.5	64.6

End of report



Remya PA
Remya PA
Authorised Signatory
Chemical

COCHIN TEST HOUSE

Verified By
Nimish

NOTE : This test results relate only to the sample submitted for analysis.

The test report shall not be reproduced except in full without the written approval of the laboratory.



COCHIN TEST HOUSE

ANALYTICAL SERVICES & TESTING LABORATORY

XIV-20 / A, Kollanpady, Murungeliparambu Road, Irumpanam P.O., Kochi - 682 309
 Mob.: 9446332556, 9846551014, 9387381780. Tel. : 0484 - 2782672
 E-mail: cochintesthouse1@gmail.com, info@cochintesthouse.in. Web : www.cochintesthouse.in



Laboratory Approved by Kerala State Pollution Control Board ('A' Grade)

AMBIENT AIR QUALITY MONITORING REPORT

Page 1 of 1

Report No: CTH/LR/25/09/1624

Issue Date: September 25, 2025

Unique Lab Report Number	TC772025000001624F
Name & Address of the customer	M/s. Grand Hyatt Kochi Bolgatty, Mulavukad, Kochi, Ernakulam, Kerala - 682504
Monitored By	Cochin Test House
Lab Identification No.	25/09/1624
Source of monitoring	Ambient Air Quality Monitoring – Behind Tennis Court
Environmental Condition	Sunny Day
Monitoring Date	23.09.2025
Date of Analysis	24.09.2025 – 25.09.2025

Sl. No.	Parameters	Unit	Method	Result	Limit by CPCB
1	Particulate Matter ₁₀ [PM ₁₀]	µg/m ³	IS : 5182 [Pt.23]	40.2	100
2	Particulate Matter _{2.5} [PM _{2.5}]	µg/m ³	IS : 5182 [Pt.24]	12.6	60
3	Sulphur Dioxide [SO ₂]	µg/m ³	IS : 5182 [Pt.02]	4.2	80
4	Nitrogen Dioxide [NO _x]	µg/m ³	IS : 5182 [Pt.06]	19.9	80

End of Report.



Verified By
Nimith

Remya PA
Authorised Signatory
Chemical
COCHIN TEST HOUSE

NOTE : This test results relate only to the sample submitted for analysis.

The test report shall not be reproduced except in full without the written approval of the laboratory.



ULR - TC633825000017267F

No. KH 150803 / 2025

CUSTOMER NAME & ADDRESS		DATE OF ISSUE : 06-10-2025	
M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India		SAMPLE RECEIPT : 23-09-2025	
		SAMPLE CODE : KH/25/76629/B63286	
		ANALYSIS STARTED : 23-09-2025	
		ANALYSIS COMPLETED : 25-09-2025	
I. BIOLOGICAL TESTING : Water			
Sl. No.	PARAMETERS TESTED	RESULTS	TEST METHOD
1	LEGIONELLA	Not Detected in 250 ml	IFLM/QSP/q-PCR/BP-004 - Based on ISO 12869 : 2019

INFORMATION PROVIDED BY CUSTOMER**SAMPLE NAME**

: SWIMMING POOL WATER

OTHER INFORMATION**CONDITION OF SAMPLE**

: RECEIVED IN GOOD CONDITION

SAMPLE DRAWN BY

: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)

SAMPLE DRAWN DATE

: 23.09.2025

SAMPLE DRAWN FROM

: MAIN POOL

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES
ANU ANTONY
SECTION IN-CHARGE (MICROBIOLOGY)
06-10-2025
AUTHORISED SIGNATORY



No. KH 150804 / 2025

CUSTOMER NAME & ADDRESS		DATE OF ISSUE : 06-10-2025	
M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India		SAMPLE RECEIPT : 23-09-2025	
		SAMPLE CODE : KH/25/76629/B63286	
		ANALYSIS STARTED : 23-09-2025	
		ANALYSIS COMPLETED : 25-09-2025	
SI. NO.	PARAMETERS TESTED	RESULTS	TEST METHOD
1	STANDARD PLATE COUNT	<1 cfu/ml	IS 3328 : 1993, Appendix A

INFORMATION PROVIDED BY CUSTOMER

SAMPLE NAME : SWIMMING POOL WATER

OTHER INFORMATION

CONDITION OF SAMPLE

: RECEIVED IN GOOD CONDITION

SAMPLE DRAWN BY

: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)

SAMPLE DRAWN DATE

: 23.09.2025

SAMPLE DRAWN FROM

: MAIL POOL

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF

INTERFIELD LABORATORIES

ANU ANTONY

SECTION IN-CHARGE (MICROBIOLOGY)

06-10-2025

AUTHORISED SIGNATORY





CERTIFICATE OF ANALYSIS | ORIGINAL

ULR - TC633825000017271F

No. KH 150809 / 2025

ADDRESS: XIII/1208, INTERPRINT HOUSE, KARUVELIPADY, KOCHI - 682005, KERALA,

CUSTOMER NAME & ADDRESS	DATE OF ISSUE	: 06-10-2025
M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India	SAMPLE RECEIPT	: 23-09-2025
	SAMPLE CODE	: KH/25/76629/B63289
	ANALYSIS STARTED	: 23-09-2025
	ANALYSIS COMPLETED	: 24-09-2025

INFORMATION PROVIDED BY CUSTOMER

SAMPLE NAME	: WATER
OTHER INFORMATION	
CONDITION OF SAMPLE	: RECEIVED IN GOOD CONDITION
SAMPLE DRAWN BY	: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)
SAMPLE DRAWN DATE	: 23.09.2025
SAMPLE DRAWN FROM	: WTP

TEST DONE AS PER IS 10500:2012

I. BIOLOGICAL TESTING : Water

SL NO.	PARAMETER TESTED	TEST RESULT	Requirement	TEST METHOD
1	TOTAL COLIFORMS BACTERIA	ABSENT/100ml	ABSENT / 100ml	IS 15185 : 2016
2	ESCHERICHIA COLI/ THERMOTOLERANT COLIFORMS	ABSENT/100ml	ABSENT / 100ml	IS 15185 : 2016

Remarks: This sample conforms to the requirements of IS 10500:2012 with respect to the parameters listed above.

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory



FOR AND ON BEHALF OF
INTERFIELD LABORATORIES
ANU ANTONY
SECTION IN-CHARGE (MICROBIOLOGY)
06-10-2025
AUTHORISED SIGNATORY


CERTIFICATE OF ANALYSIS | ORIGINAL
No. KH 151002 / 2025

CUSTOMER NAME & ADDRESS M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHE-682504 Kerala India	
---	--

INFORMATION PROVIDED BY CUSTOMER						
SAMPLE NAME		: SWIMMING POOL WATER				
OTHER INFORMATION						
CONDITION OF SAMPLE		: RECEIVED IN GOOD CONDITION				
SAMPLE DRAWN BY		: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)				
SAMPLE DRAWN DATE		: 23.09.2025				
SAMPLE DRAWN FROM		: MAIN POOL				
Sl. No.	PARAMETERS TESTED	REQUIREMENTS	UNIT OF MEASUREMENT	RESULTS	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
1	COLOUR	Max. 10	Hazen	1	1	IS 3025 (Part 4) : 2021
2	ODOUR	Odourless	--	Odourless	--	IS 3025 (Part 5) : 2018
3	TASTE	Palatable	--	Palatable	--	IS 3025 (Part 8) : 2023
4	TURBIDITY	Max. 10	NTU	< 1	1	IS 3025 (Part 10) : 2023
5	pH VALUE	7.5 to 8.5	--	7.62 AT 25° C	1	IS 3025 (Part 11) : 2022
6	TOTAL DISSOLVED SOLIDS	Max. 1500	mg/l	425	10	IS 3025 (Part 16) : 2023
7	TOTAL ALKALINITY (as CaCO ₃)	Max. 50 to 500	mg/l	55.1	5	IS 3025 (Part 23) : 2023
8	OXYGEN ABSORBED (in 4 Hrs)	Max. 1.0	%	< LOQ	1	IS 3025 (Part 63) : 2007
9	TOTAL RESIDUAL CHLORINE	Max 0.5 (Inlet), Min 0.2 (Out let)	mg/l	< LOQ	0.01	IS 3025 (Part 26) : 2021
10	CHLORIDE (as Cl ⁻)	Max. 500	mg/l	18.3	5	IS 3025 (Part 32) : 1988
11	ALUMINIUM (as Al)	Max. 0.1	mg/l	0.027	0.02	IS 3025 (Part 55) : 2003
12	IRON (as Fe)	Max. 0.1	mg/l	0.0033	0.0005	APHA 23rd Ed. 3125
13	HEAVY METAL (as Pb)	Max. 0.1	mg/l	< 0.1	--	IS 7017 : 1973

Remarks: The requirements mentioned above are as per IS 3328 : 1993 (Quality tolerances for water for swimming pools)

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory



FOR AND ON BEHALF OF
INTERFIELD LABORATORIES
N.S. KALESH, Ph.D.
SECTION IN-CHARGE (CHEMISTRY)
08-10-2025
AUTHORISED SIGNATORY
[Signature]



TC - 6338

Page 1 of 1

ULR - TC633825000017433F

CERTIFICATE OF ANALYSIS | ORIGINAL

No. KH 151003 / 2025 - 1

CUSTOMER NAME & ADDRESS		DATE OF ISSUE : 08-10-2025
M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India		SAMPLE RECEIPT : 23-09-2025 SAMPLE CODE : KH/25/76629/C65482 ANALYSIS STARTED : 23-09-2025 ANALYSIS COMPLETED : 06-10-2025

INFORMATION PROVIDED BY CUSTOMER					
SAMPLE NAME : WATER					
OTHER INFORMATION					
CONDITION OF SAMPLE	: RECEIVED IN GOOD CONDITION				
SAMPLE DRAWN BY	: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)				
SAMPLE DRAWN DATE	: 23.09.2025				
SAMPLE DRAWN FROM	: STP				
I. CHEMICAL TESTING : Pollution & Environment					
Sl. No.	PARAMETERS TESTED	UNIT OF MEASUREMENT	RESULTS	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
1	pH	--	7.46 AT 25° C	1	IS 3025 (Part 11) : 2022
2	TOTAL DISSOLVED SOLIDS	mg/l	119	10	IS 3025 (Part 16) : 2023
3	TOTAL SUSPENDED SOLIDS	mg/l	< LOQ	10	IS 3025 (Part 17) : 2022
4	OIL & GREASE	mg/l	< LOQ	2	IS 3025 (Part 39) : 2021
5	COD	mg/l	83.2	2	APHA 24th Ed. 5220 - B

Vide COA No. KH 151003 / 2025 - 2 for results of test parameters which are not accredited by NABL

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory



FOR AND ON BEHALF OF
INTERFIELD LABORATORIES
N.S. KALEDH, Ph.D.
SECTION IN-CHARGE (CHEMISTRY)
08-10-2025
AUTHORISED SIGNATORY
[Signature]



CERTIFICATE OF ANALYSIS | ORIGINAL

No. KH 151003 / 2025 - 2

CUSTOMER NAME & ADDRESS M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHE-682504 Kerala India		DATE OF ISSUE : 08-10-2025 SAMPLE RECEIPT : 23-09-2025 SAMPLE CODE : KH/25/76629/C65482 ANALYSIS STARTED : 23-09-2025 ANALYSIS COMPLETED : 06-10-2025
---	--	---

INFORMATION PROVIDED BY CUSTOMER					
OTHER INFORMATION					
SI. No.	PARAMETERS TESTED	UNIT OF MEASUREMENT	RESULTS	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
1	BOD (3 DAYS AT 27°C)	mg/l	28.3	1	IS 3025 (Part 44) : 2023
2	CHLORIDE (Cl ⁻)	mg/l	19.8	5.0	APHA 24th Ed. 4500 Cl-B

Vide COA No. KH 151003 / 2025 - 1 for results of test parameters which are accredited by NABL



ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES
N.S. KAESH, Ph.D.
SECTION IN-CHARGE (CHEMISTRY)
08-10-2025
AUTHORISED SIGNATORY
Onkesh



CERTIFICATE OF ANALYSIS | ORIGINAL

ULR - TC633825000017434F

No. KH 151004 / 2025

ADDRESS: XIII/1208, INTERPRINT HOUSE, KARUVELIPADY, KOCHI - 682005, KERALA,

CUSTOMER NAME & ADDRESS M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India	DATE OF ISSUE	: 08-10-2025
	SAMPLE RECEIPT	: 23-09-2025
	SAMPLE CODE	: KH/25/76629/C65483
	ANALYSIS STARTED	: 23-09-2025
	ANALYSIS COMPLETED	: 06-10-2025

INFORMATION PROVIDED BY CUSTOMER	
SAMPLE NAME	: WATER
OTHER INFORMATION	
CONDITION OF SAMPLE	: RECEIVED IN GOOD CONDITION
SAMPLE DRAWN BY	: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)
SAMPLE DRAWN DATE	: 23.09.2025
SAMPLE DRAWN FROM	: COOLING TOWER

TEST DONE AS PER IS 10500 : 2012

I. CHEMICAL TESTING : Water / Residues in Water							
SL NO.	PARAMETER TESTED	UNIT OF MEASUREMENT	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE	TEST RESULT	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
1	COLOUR	Hazen	Max 5	Max 15	1	1	IS 3025 (Part 4) : 2021
2	pH VALUE	pH units	6.0 to 8.5	6.0 to 8.5	7.01 AT 25° C	1	IS 3025 (Part 11) : 2022
3	TURBIDITY	NTU	Max 1	Max 5	< 1	1	IS 3025 (Part 10) : 2023
4	TOTAL DISSOLVED SOLIDS	mg/l	Max 500	Max 2000	109	10	IS 3025 (Part 16) : 2023
5	TOTAL HARDNESS (as CaCO ₃)	mg/l	Max 200	Max 600	43.3	5	IS 3025 (Part 21) : 2009
6	TOTAL ALKALINITY (as CaCO ₃)	mg/l	Max 200	Max 600	20.4	5	IS 3025 (Part 23) : 2023
7	RESIDUAL FREE CHLORINE	mg/l	Min 0.2 (if chlorinated)	Min 1 (if chlorinated)	< LOQ	0.01	IS 3025 (Part 26) : 2021
8	CHLORIDE (as Cl ⁻)	mg/l	Max 250	Max 1000	13.5	5	IS 3025 (Part 32) : 1988
9	NITRATE (as NO ₃ ⁻)	mg/l	Max 45	Max 45	21.1	1	IS 3025 (Part 34, Sec 1) : 2023
10	SULPHATE (as SO ₄ ²⁻)	mg/l	Max 200	Max 400	18.4	5	IS 3025 (Part 24, Sec 1) : 2022
11	CALCIUM (as Ca)	mg/l	Max 75	Max 200	6.59	2	IS 3025 (Part 40) : 1991
12	MAGNESIUM (as Mg)	mg/l	Max 30	Max 100	6.51	0.5	IS 3025 (Part 46) : 2023
13	IRON (as Fe)	mg/l	Max 1.0	Max 1.0	1.35	0.0005	APHA 23rd Ed. 3125

ORIGINAL

Remarks
This sample conforms to the requirements of IS 10500:2012 with respect to the parameters listed above.

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES

N.S. KALESH, Ph.D.
SECTION IN-CHARGE (CHEMISTRY)
08-10-2025
AUTHORISED SIGNATORY



INTERFIELD LABORATORIES



TC - 6338

Page 1 of 1

ULR - TC633825000017435F

CERTIFICATE OF ANALYSIS | ORIGINAL

No. KH 151005 / 2025 - 1

CUSTOMER NAME & ADDRESS		DATE OF ISSUE : 08-10-2025
M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India		SAMPLE RECEIPT : 23-09-2025
		SAMPLE CODE : KH/25/76629/C65484
		ANALYSIS STARTED : 23-09-2025
		ANALYSIS COMPLETED : 06-10-2025

INFORMATION PROVIDED BY CUSTOMER	
SAMPLE NAME	: WATER
OTHER INFORMATION	
CONDITION OF SAMPLE	: RECEIVED IN GOOD CONDITION
SAMPLE DRAWN BY	: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)
SAMPLE DRAWN DATE	: 23.09.2025
SAMPLE DRAWN FROM	: COOLING TOWER

I. CHEMICAL TESTING : Water

Sl. No.	PARAMETERS TESTED	UNIT OF MEASUREMENT	RESULTS	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
1	SILICA	mg/l	4.54	0.01	ASTM D 859-94

Vide COA No. KH 151005 / 2025 - 2 for results of test parameters which are not accredited by NABL

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES

N. S. KALESH, Ph.D.
SECTION IN-CHARGE (CHEMISTRY)
08-10-2025
AUTHORISED SIGNATORY





CERTIFICATE OF ANALYSIS | ORIGINAL

No. KH 151005 / 2025 - 2

CUSTOMER NAME & ADDRESS M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India		DATE OF ISSUE : 08-10-2025 SAMPLE RECEIPT : 23-09-2025 SAMPLE CODE : KH/25/76629/C65484 ANALYSIS STARTED : 23-09-2025 ANALYSIS COMPLETED : 06-10-2025
---	--	---

INFORMATION PROVIDED BY CUSTOMER					
SAMPLE NAME : WATER					
OTHER INFORMATION					
CONDITION OF SAMPLE	: RECEIVED IN GOOD CONDITION				
SAMPLE DRAWN BY	: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)				
SAMPLE DRAWN DATE	: 23.09.2025				
SAMPLE DRAWN FROM	: COOLING TOWER				
Sl. No.	PARAMETERS TESTED	UNIT OF MEASUREMENT	RESULTS	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
1	OXIDISABLE MATTER	mg/l	< LOQ	1	IS 3025 (Part 63) : 2007

Vide COA No. KH 151005 / 2025 - 1 for results of test parameters which are accredited by NABL



ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES
N.S. KAESH, Ph.D.
SECTION IN-CHARGE (CHEMISTRY)
08-10-2025
AUTHORISED SIGNATORY
Onkar



CERTIFICATE OF ANALYSIS | ORIGINAL

ULR - TC633825000017436F

No. KH 151006 / 2025

ADDRESS: XIII/1208, INTERPRINT HOUSE, KARUVELIPADY, KOCHI - 682005, KERALA,

CUSTOMER NAME & ADDRESS M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India	DATE OF ISSUE	: 08-10-2025
	SAMPLE RECEIPT	: 23-09-2025
	SAMPLE CODE	: KH/25/76629/C65485
	ANALYSIS STARTED	: 23-09-2025
	ANALYSIS COMPLETED	: 06-10-2025

INFORMATION PROVIDED BY CUSTOMER	
SAMPLE NAME	: WATER
OTHER INFORMATION	
CONDITION OF SAMPLE	: RECEIVED IN GOOD CONDITION
SAMPLE DRAWN BY	: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)
SAMPLE DRAWN DATE	: 23.09.2025
SAMPLE DRAWN FROM	: WTP

TEST DONE AS PER IS 10500 : 2012

I. CHEMICAL TESTING : Water / Residues in Water							
SL NO.	PARAMETER TESTED	UNIT OF MEASUREMENT	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE	TEST RESULT	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
1	COLOUR	Hazen	Max 5	Max 15	1	1	IS 3025 (Part 4) : 2021
2	ODOUR	--	Agreeable	Agreeable	AGREEABLE	--	IS 3025 (Part 5) : 2018
3	pH VALUE	pH units	6.0 to 8.5	6.0 to 8.5	7.20 AT 25° C	1	IS 3025 (Part 11) : 2022
4	TURBIDITY	NTU	Max 1	Max 5	< 1	1	IS 3025 (Part 10) : 2023
5	TOTAL DISSOLVED SOLIDS	mg/l	Max 500	Max 2000	88.0	10	IS 3025 (Part 16) : 2023
6	TOTAL HARDNESS (as CaCO ₃)	mg/l	Max 200	Max 600	14.4	5	IS 3025 (Part 21) : 2009
7	TOTAL ALKALINITY (as CaCO ₃)	mg/l	Max 200	Max 600	12.2	5	IS 3025 (Part 23) : 2023
8	RESIDUAL FREE CHLORINE	mg/l	Min 0.2 (if chlorinated)	Min 1 (if chlorinated)	< LOQ	0.01	IS 3025 (Part 26) : 2021
9	CHLORIDE (as Cl ⁻)	mg/l	Max 250	Max 1000	8.68	5	IS 3025 (Part 32) : 1988
10	FLUORIDE (as F ⁻)	mg/l	Max 1.0	Max 1.5	0.313	0.3	APHA 24th Ed. 4500 F-D
11	NITRATE (as NO ₃ ⁻)	mg/l	Max 45	Max 45	6.80	1	IS 3025 (Part 34, Sec 1) : 2023
12	SULPHATE (as SO ₄ ²⁻)	mg/l	Max 200	Max 400	10.2	5	IS 3025 (Part 24, Sec 1) : 2022
13	CALCIUM (as Ca)	mg/l	Max 75	Max 200	3.30		IS 3025 (Part 40) : 1991
14	MAGNESIUM (as Mg)	mg/l	Max 30	Max 100	1.50	0.5	IS 3025 (Part 46) : 2023

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES

N.S. KALESH, Ph.D.
SECTION IN-CHARGE (CHEMISTRY)
08-10-2025
AUTHORISED SIGNATORY





ULR - TC633825000017436F

No. KH 151006 / 2025

I. CHEMICAL TESTING : Water / Residues in Water

SL NO.	PARAMETER TESTED	UNIT OF MEASUREMENT	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE	TEST RESULT	LIMIT OF QUANTIFICATION (LOQ)	TEST METHOD
15	IRON (as Fe)	mg/l	Max 1.0	Max 1.0	0.0947	0.0005	APHA 23rd Ed. 3125

Remarks: This sample conforms to the requirements of IS 10500:2012 with respect to the parameters listed above.

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory.

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES

 N.S. KALESH, Ph.D.
 SECTION IN-CHARGE (CHEMISTRY)
 08-10-2025
 AUTHORISED SIGNATORY





ULR - TC633825000017268F

No. KH 150805 / 2025

CUSTOMER NAME & ADDRESS M/s. LULU CONVENTION & EXHIBITION CENTRE PVT. LTD. GRAND HYATT KOCHI BOLGATTY BOLGATTY ISLAND, MULAVUKAD, KOCHI-682504 Kerala India	DATE OF ISSUE : 06-10-2025 SAMPLE RECEIPT : 23-09-2025 SAMPLE CODE : KH/25/76629/B63286 ANALYSIS STARTED : 23-09-2025 ANALYSIS COMPLETED : 25-09-2025
---	---

I. BIOLOGICAL TESTING : Water

Sl. No.	PARAMETERS TESTED	RESULTS	TEST METHOD
1	COLIFORMS	<1 MPN/100ml	IS 1622 : 1981, Reaff. 2019

INFORMATION PROVIDED BY CUSTOMER

SAMPLE NAME	: SWIMMING POOL WATER
OTHER INFORMATION	
CONDITION OF SAMPLE	: RECEIVED IN GOOD CONDITION
SAMPLE DRAWN BY	: Mr. JAMSHID NAZAR (Representative of Interfield Laboratories)
SAMPLE DRAWN DATE	: 23.09.2025
SAMPLE DRAWN FROM	: MAIL POOL

ORIGINAL

The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF

INTERFIELD LABORATORIES

ANU ANTONY

SECTION IN-CHARGE (MICROBIOLOGY)

06-10-2025

AUTHORISED SIGNATORY



Annexure 6

