

HALF YEARLY COMPLIANCE REPORT FOR PROPOSED  
RESDIDENTIAL PROJECT OF JOYALUKKAS LIFESTYLE  
DEVELOPERS  
AT VAZHAKALA, KOCHI

EC NO: 21/SEIAA/KL/87/2012 DATED 14-11-2012

DECEMBER 2016



Joyalukkas Lifestyle Developers Pvt. Ltd.,  
A & B. Peevees Triton  
Marine Drive, Kochi - 682 031.

**Joyalukkas**  
Lifestyle Developers

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## **STATUS OF COMPLIANCE TO THE CONDITIONS MADE WHILE GRANTING ENVIRONMENTAL CLEARENCE**

### **Introduction**

It is proposed to develop a residential project at Vazhakala village, Kanayunnur Taluk, Ernakulam District ,Kerala in Re-Sy.No 42/1,Block No.9 by M/s. Joyalukkas Lifestyle Developers (Private) Limited, which is a private company having its correspondence office at Peeves Triton, Marine Drive, Kochi, Kerala-682 031. The company purchased the land for the construction in the name of Joy Alukkas in the year August, 2003 .The project site fall within Thrikakkara Municipality and the land use in conformity with the CPD of Kochi.

The project was accorded Environmental clearance by State Level Environmental Impact Assessment Authority (SEIAA), Kerala vide letter NO: 21/SEIAA/KL/871/2012 dated 14<sup>th</sup> November, 2012. The conditions lay out while granting the clearance along with the compliance to the same is followed.

Sl.	Condition	Compliance
<b>A. Specific Conditions</b>		
1	Assurance that the Place left in the front region of the project site as shown in the drawing is a 'Purambokku' land between the road and the property of the proponent and that it shall not be encroached at any later stage.	'Purambokku' land between the road and the property of the proponent, left in the front region of the project site has not encroached by the proponent. In future also there won't be any encroachment.
2	Fencing should be done all around the tower line	A permanent fencing is provided around the tower line in accordance with KSEB norms and the photographs of the same is attached as <b>Annexure I</b> .The sanction for the construction near 110Kv tower line is obtained from KSEB and the same is attached in <b>Annexure II</b> .
<b>B. General Conditions</b>		
1	Rain water harvesting to collect and utilize the entire water falling in land area should be provided.	A roof top rain water harvesting facility is envisaged for the project .The provision for the collection of rainwater is proposed at the basement as well as at the roof top of the proposed building .The construction of the tank at the basement is finished. Also a provision will be made for the filtration and disinfection of this collected water.
2	Environmental Monitoring Cell should be formed and made functional.	Environmental Monitoring Cell had already constituted and it is working with full fledge. The detail of the Cell is presented in <b>Annexure III</b> for reference.
3	Suitable avenue trees should be planted along either side of the tarred road and parking areas, if any.	Avenue trees will be planted along either side of the tarred road and parking areas. The landscape map and list of species have been already proposed during the first compliance and is presented as <b>Annexure IV</b> for reference.
4	The project may incorporate devices of solar energy generation and utilization wherever possible.	A 20 kWp solar power plant is integrated in the project design and would be developed and implemented as part of the project accordingly.
5	In case of any change in the scope of the project, the project would require a fresh appraisal by this authority	The scope of the work is slightly modified and the new modification is informed to SEIAA wide letter No JLD/GT/EE/005/2014-15 dated 13-06-2014.A copy of the letter is attached as <b>Annexure V</b> .
6	The authority reserves the right to add the additional safeguard measures subsequently , if found necessary ,and to take the action including revoking of the environmental clearance under the provisions of Environmental (protection) Act,1986, to ensure effective implementation of the suggested safe guard measure in the time bound and satisfactory manner	Project proponent will comply with any additional conditions or modifications of existing conditions up to the satisfaction of SEIAA.



7	All other statutory clearances shall be obtained, as applicable, by the project proponent\ s from the respective competent authorities.	All statutory clearances applicable to the project, was already obtained at the time of first half yearly compliance and are annexed as follows : Building permit obtained from Thrikkakara municipality as <b>Annexure VI</b> for reference. No Objection Certificate from Fire and Rescue Service headquarters, Trivandrum and No Objection Certificate for height clearance from headquarters southern naval command, Kochi as <b>Annexure VII</b> for reference.
8	The stipulation by statutory authorities under different Acts and notifications be complied with , including the provision of Water (prevention and control of pollution) Act ,1974 ,the Air (prevention and control of pollution) Act 1981,the Environmental (protection) Act,1986, the public Liability (Insurance)Act,1991 and EIA notification, 2006	The Consent to Establish from KSPCB is obtained and attached as <b>Annexure VIII</b> .
9	The project proponent should advertise at least two local newspapers widely circulated in the region ,one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and the copies of the clearance letter are available with the Department of Environment and Climate Change Govt. of Kerala and may also be seen on the website of the authority at <a href="http://www.seiaakerala.org">www.seiaakerala.org</a> .The advertisement should be made within 10 days from the date of recipient of the clearance letter and a copy of the same should be forwarded to the office of this authority as conformation.	Joyalukkas has already advertised in two local newspapers and the copy of the same is presented as <b>Annexure IX</b> for reference.  The copy of the advertisement is being forwarded to the office of SEIAA vide nil letter number dated 26.03.2013. The copy of the communication is presented as <b>Annexure X</b> .
10	A copy of the clearance letter shall be sent by the proponent to concerned municipality and also the local NGO, if any from whom suggestions / representations, if any were received while processing the proposal .The clearance letter shall also be put on the website of the company by the proponent.	Proponent has already sent a copy of the clearance letter to concerned municipality and the copy of the communication made is attached in <b>Annexure XI</b> .  The clearance letter as well as the compliance status is already available in the website of the company through the link: <a href="http://www.joyalukkaslifestyledevelopers.com/">http://www.joyalukkaslifestyledevelopers.com/</a> . A copy of the web display is presented as <b>Annexure XII</b> for reference.

11	The proponent shall submit six monthly report on compliance of the stipulated EC conditions including the results of monitored data (both in hard copies as well as by e-mail) upload the status of compliance of the stipulated EC conditions, including the results of monitored data on their website and shall upload the same periodically .It shall simultaneously be sent to the Directorate of Environment and Climate Change, Govt. of Kerala.	The half yearly compliance report shall be submitted both in hard and soft copies and the details of compliance including monitoring results shall be uploaded in the company website. The copy of the same shall also be submitted to Director of Environment and Climate Change, Kerala. The results of Environmental monitoring is attached with this report as <b>Annexure XIII</b> .
12	The proponent should provide affidavit that all the conditions stipulated in the EC shall be scrupulously followed.	The copy of the affidavit produced by the proponent is attached in <b>Annexure XIV</b> for reference.

**ANNEXURE I**

PHOTOGRAPHS OF THE PERMANENT FENCING PROVIDED AROUND THE  
TOWER LINE IN ACCORDANCE WITH KSEB NORMS



**ANNEXURE II**

ORDER NO. T6-13956/14/EIE DATED 29/09/14





Government of Kerala  
Department of Electrical Inspectorate  
**Office of the Deputy Chief Electrical Inspector**  
Thoppil Estate, Vyttila.P.O, Kochi-19  
Phone :-0484-2307309 Email:-dyceiek@ceikerala.gov.in



**Proceedings of the  
Deputy Chief Electrical Inspector, Ernakulam  
(Present:- K.P Raghavan)**

**Subject:-** Construction of a residential building near 110 kV Kalamassery-Vyttila feeder between locations 25 and 26 in Sy. No. 42/1 in Vazhakkala village by M/s.Joy Alukkas, Life Style Developers Pvt. Ltd., Vazhakkala, Ernakulam - orders issued - reg:-

**Read:-** 1. Letter No. DB-09/LMSDK/14-15/183 received on 16/09/14 of the Assistant Executive Engineer, LMSD, Kalamassery  
2. Circular No. B1 / 19701 / 2010 / CEI Dated 21 / 01 / 2011  
3. Inspection conducted on 26/09/14

**Order No. T6-13956/14/EIE dated 29/09/14**

Sanction is hereby accorded under Regulation 63 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the construction of a residential building near 110 kV Kalamassery-Vyttila feeder between locations 25 and 26 in Sy. No. 42/1 in Vazhakkala village by M/s.Joy Alukkas, Life Style Developers Pvt. Ltd., Vazhakkala, Ernakulam and as per the drawing countersigned by the Assistant Executive Engineer, LMSD, Kalamassery and approved by the undersigned subject to the following conditions:

1. The construction of the building should be strictly as per the approved drawing.
2. Statutory horizontal / vertical clearance should not be fouled during and after the construction of the building.
3. Erection of temporary structure, scaffolding etc. shall not infringe the clearance noted in the drawing.
4. Transport of construction and other materials, movement of workers in the vicinity of power line and handling of iron rods, pipes and other similar materials on the top of the building should be done very carefully with efficient supervision and observing necessary safety precautions.
5. Workers engaged for the construction should be made fully aware of the danger involved due to the energized power line near the building construction.
6. T.V. antenna or similar structure should not be erected on the building fouling the statutory clearance from the line.
7. Violation of regulations 61 & 64 CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 should not be resulted during and after the construction of the building.
8. All the conditions stipulated by the Local Authorities should be complied with.
9. Any alteration or modification from the approved drawing shall be done only with prior written sanction from this office.
10. This department will not in anyway be responsible for any contingencies occurring due to snapping/sagging of over head lines and violation of relevant regulations subsequently.
11. This sanction is subject disallowance or revision by the State Govt as per Regulation 116 of CEA (Measures Relating Safety and Electric Supply) Regulations 2010.

**To**

M/s.Joy Alukkas,  
Life Style Developers Pvt. Ltd., Vazhakkala, Ernakulam



*K.P. Raghavan*  
**Deputy Chief Electrical Inspector**

**Copy to:**

1. The Chief Electrical Inspector, Thiruvananthapuram.
2. The Assistant Executive Engineer, LMSD, Kalamassery
3. The Secretary, Thrikkakkara Municipality
4. Stock File

Case No.16728  
e.solutions-7.5

**ANNEXURE III**  
**ENVIRONMENTAL MONITERING CELL DETAILS**

## ENVIRONMENTAL MONITORING CELL

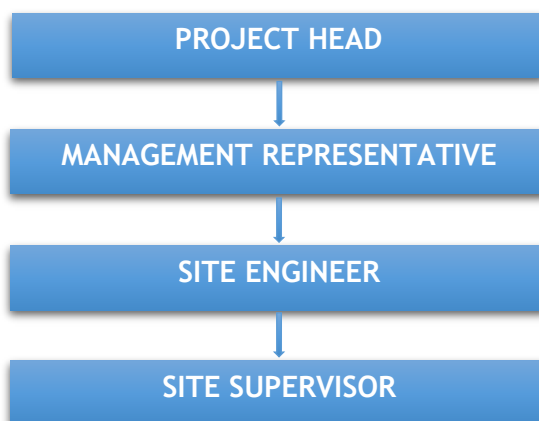
### 1. General

As per the project schedule the project execution is through PMC. All the environmental practices is being implemented through PMC and will be monitored by the project proponent. A permanent organizational set up is formed to ensure the effective implementation of mitigation measures and to conduct environmental monitoring.

The major duties and responsibilities of Environmental Management Cell are as follows:

- To implement the environmental management plan,
- To assure regulatory compliance with all relevant rules and regulations.
- To minimize environmental impacts of operations by strict adherence to the EMP.
- To initiate environmental monitoring as per approved schedule.
- Review and interpretation of monitored results and corrective measures in case monitored results are above the specified limit.
- Maintain environmental related records.
- Coordination with regulatory agencies, external consultants and monitoring laboratories.
- Maintaining log of public complaints and the action taken.

### 2. EMC Structure



### 3. The Roles and Responsibilities of each of the EMC Officer

#### 3.1. Project Head - Mr. Henry George

Project Head will be the head of the Environment Management Cell and perform the following tasks:

- In-charge of EMC and will be reporting to the Executive Director, Mr. Joyalukkas about the functioning of the EMC and routinely update on the progress.
- Submit all regulatory compliance documents to concerned authority
- Planning and execution of environmental monitoring.
- Review of the report submitted by the monitoring agency, checking -the compliance of the results with respect to the baseline environmental conditions and also with the relevant standard.
- Interact with the Environmental agencies, Health department and Fire services as and when required.
- Responsible for ensuring smooth functioning of the EMC and sort out any issues whenever it arises.



### 3.2. Management Representative - Mr. Vipin Radhakrishnan

Management Representative shall be directly reporting to Project Head.  
Management Representative's responsibilities will be

- Verify the reports submitted by Site Engineer of PMC.
- Make frequent site visit to the construction site and observe that good construction management practices are being followed.
- Ensure that the conditions laid out while granting the environmental clearance are strictly followed by PMC.
- Responsible for regular execution of the compliance report and reports to the head of the project regarding the reports of site engineer and about the status of environmental practices in the site.

### 3.3. Site Engineer - Mr. Manu P.G

Site Engineer of PMC shall be directly reporting to Management representative of project proponent.  
Site Engineer's responsibilities will be monitoring of successful Implementation of

- Project activities with due consideration on not polluting the environmental conditions of in and around project site.
- Proper Water supply and sanitation facilities during construction phase.
- Safe construction practices.
- Landscaping as per the landscape development plan.
- Sewage treatment Plant is being planned and executed as per the provisions.
- Preparation of monthly progress report on progress of activities and the environmental safeguards adopted.
- Assess the training requirements as suggested by Site Supervisor and execute as per the requirement.
- Ensure that all complaints are duly addressed and verified and actions taken accordingly in site.

### 3.4. Site Supervisor - Mr. Mohammed Saleem

Site supervisor and reporting to the Site Engineer of PMC and is responsible for execution of project activities such that

- Project activities with due consideration on not polluting the environmental conditions of in and around project site.
- Ensure adequate water supply and sanitation facilities during construction phase
- Safety aspects are duly followed.
- Landscaping as per the landscape development plan.
- Maintain log on the compliance made on the conditions laid out while granting EC.
- Report the training requirements of the PMC and report to Site Engineer.
- Maintaining log of public complaints and the action taken.

**ANNEXURE IV**

**LANDSCAPE MAP OF PROPOSED PROJECT**



	HORSE TAIL PALM	28		HELICONIA ANDROMEDE	
	RAPHIS PALM	20		THUJA	
	HELICONIA GOLDEN TORCH			CHINEESE PALM	
	CLASSIC PALM			SILVER OAK	
	DRACENA MARGINATIS			GOLDEN BOTTLE BRUSH	
	PERUVIAN LILLY			CANNA GENERALIS	
	GOLDEN BAMBOO				

## GOLD TOWER LANDSCAPE DESIGN

**ANNEXURE V**

COMMUNICATION WITH SEIAA REGARDING THE MODIFICATION IN SCOPE OF  
THE PROJECT (LETTER NO. JLD/GT/EE/005/2014-15, DATED 13-06-2014)





No : JLD/GT/EE/005/2014-15  
13<sup>th</sup> June, 2014.

Director  
Department of Environment & Climate Change  
Pallimukku,  
Pettah (P.O),  
Thiruvananthapuram-695 024

Dear Sir,

**Sub: Environmental Clearance for the Proposed "Gold Tower" at Vazhakkala Village, Kanayannur Taluk, Ernakulum District, Kerala by M/S Joyalukkas India (P) Limited – Reg;.**

**Ref: SEIAA Letter No: 21/SEIAA/KL/871/2012 dated 14<sup>th</sup> November, 2012.**

As you are aware, the environmental clearance for the subject work was accorded by SEIAA through the reference cited above. At the planning stage, the proposal was for a residential cum commercial building, with commercial area restricted to 11.70% within 2 floors. However, during the course of time there was a rethinking in this regard and now it is planned to change it completely as a residential building, without any appreciable change in the building parameters. Since the construction has just begun and the respective works are about to execute, we here by intimate you on the small change in project as mentioned above.

Thanking you,  
Yours faithfully,

For Joyalukkas Lifestyle Developers Pvt. Ltd.

  
Authorized Signatory



**Copy to:**  
Senior Environmental Engineer,  
Kerala State Pollution Control Board,  
District Office, Ernakulam

**ANNEXURE VI**

**BUILDING PERMIT OBTAINED FROM THRIKKAKARA MUNICIPALITY**

# MUNICIPAL COUNCIL, THRIKKAKARA

## APPENDIX C

[See Rule 11(3)]

### BUILDING PERMIT

No. BA/65/1/2011

Date 10/2/12

Ref:- Application dated ..... from Sri/Smt JOYALUKKAS LIFESTYLE DEVELOPERS PRIVATE LIMITED

Permission is granted for the erection / re-erection / addition / alteration / demolition of building / hut / digging of well / Residential Floor ..... (specify the construction) in building No. .... or near the building No. .... in Survey No. 42/1 Vazhakkal Village Taluk Kanayamur District Ernakulam for Residence ..... (specify the occupancy) purpose, subject to the conditions stated below:

- (1) ..... 1). IF ANY VIOLATION ARISES IN FUTURE THE PERMIT WILL BE CANCELLED & NECESSARY STEPS WILL BE TAKEN WITHOUT NOTICE
- (2) ..... 2). PROVIDE RAINWATER HARVESTING TANK & WASTE DISPOSAL UNIT
- (3) ..... 3). BUILDING CONSTRUCTION SHOULD BE UNDER PROVISIONS OF KMBR 1999
- (4) .....

PR: - 1,60,00,000/-  
Recd. no: 1400055 Dtd 16/2/12

Ownership changed upon order  
no: BA/65/1/2011 Dtd 16/5/14

This permit already issued  
10/2/12

Plinth area of the building is as follows:-

Basement Floor 2 Area - 4728 m<sup>2</sup>  
Basement Floor 1 Area - 4728 m<sup>2</sup>  
Ground Floor Area - 2720 m<sup>2</sup>  
First Floor Area - 2720 m<sup>2</sup>  
Second Floor Area - 2720 m<sup>2</sup>  
Typical Floor Area - 31020 m<sup>2</sup> (1410 x 22)

Place : Thrikkakara  
Date : 16/5/14



Signature and name of Secretary  
R. PRAKASH  
Municipal Engineer  
Thrikkakara Municipality

- Notes:- (1) The development permit or building permit unless otherwise provided in the rules, shall be valid for three years from the date of issue and may be renewed twice each for three years.
- (2) The application for renewal shall be submitted to the Secretary in white paper, typed or written in ink affixed with necessary court fee stamp and accompanied by copy of permit and approved plan.
- (3) The fee for renewal of permit shall be fifty percent of the prevailing permit fee.
- (4) The permits issued under the Kerala Building Rules, 1984 and remaining valid at the commencement of these rules shall be deemed to have been issued under these rules and may be renewed for like period and on like terms as a permit issued under these rules.

**തൃക്കാക്കര നഗരസഭ സെക്രട്ടറിയുടെ ഉത്തരവ് നടപടികൾ**

വിഷയം.- കെട്ടിടനിർമ്മാണാനുമതിയുടെ കാലാവധി ദീർഘിപ്പിക്കുന്നത് സംബന്ധിച്ച്.

നമ്പർ:- BA/65/1/2011

തീയതി. 14/5/2015

പരാമർശം- 1. JOY ALUKKAL LIFESTYLE DEVELOPERS PT LTD - ഓ 23-01-15 ന്റെ അപേക്ഷ

**ഉത്തരവ്**

തൃക്കാക്കര നഗരസഭ അതിർത്തിയിൽ കാക്കനാട്/ വാഴക്കാല വില്ലേജിൽ കണയന്നൂർ താലൂക്കിൽ 42/1 സ്ഥലത്ത് നമ്പറിൽ പെട്ട സ്ഥലത്തു നിർമ്മിക്കുവാനുദ്ദേശിക്കുന്ന കെട്ടിടത്തിന്റെ നിർമ്മാണാനുമതിയുടെ കാലാവധി പരാമർശം അപേക്ഷ പരിഗണിച്ചും, റിന്യൂവൽ ഫീസിനത്തിൽ 49000/- രൂപ 11502.04.674 Dtd 13/5/15 പ്രകാരം അടച്ചതിന്റെ അടിസ്ഥാനത്തിൽ 16-2-2015 മുതൽ 9-02-2018 വരെയ്ക്കും ദീർഘിപ്പിച്ചുകൊണ്ട് ഇതിനാൽ ഉത്തരവാകുന്നു.



  
**MURALI MOHAN E.K.**  
 Municipal Engineer  
 Thrikkakara Municipality  
 Ph 2422383

JOY ALUKKAL LIFESTYLE  
DEVELOPERS PT LTD  
ERNAKULAM



**ANNEXURE VII**

NO OBJECTION CERTIFICATE FROM FIRE AND RESCUE SERVICE & NO  
OBJECTION CERTIFICATE FOR HEIGHT CLEARANCE

“ഭരണഭാഷ - മാതൃഭാഷ”

Fire & Rescue Services Hqrs,  
Housing Board Junction,  
Thiruvananthapuram-1  
Phone:0471-2320872.  
Email:keralafireandrescueservices@gmail.com  
Dated: 04.05.2013.

No.G1-11120/2012.

**NO OBJECTION CERTIFICATE**

**( SITE )**

The plan of 27 storeyed (B2+B1+G+24) height 81 metres Mercantile Cum Residential Building (Mercantile Portion upto 10.5 Metres (G+2) floors and 3<sup>rd</sup> floor proposed for service & Amenity purpose) in Survey No.42/1 in Vazhakkala Village in Thrikkakkara Municipality proposed to be constructed by M/s. Joy Alukkas Traders India (P) Ltd., Regd. Office, Marine Drive Cochin was verified by the Scrutiny Committee, Fire & Rescue Services Headquarters, Thiruvananthapuram on 02.01.2013. The Committee has recommended to issue No Objection Certificate in respect of the plan submitted by the applicant subject to the following conditions.

- (1) All the fire fighting arrangements should be made as per the existing relevant rules and approved fire fighting system plan.
- (2) Fire escape & main staircases should reach up to the roof top.
- (3) Fire lift is essential in all blocks as per NBC Part IV 2005.
- (4) Any Deviation in the Final Site Plan submitted will invalidate this NOC and a fresh NOC need to be obtained.
- (5) 11 KV & 66 KV electrical lines are passing near the proposed Site. Hence the NOC from the Electrical Inspectorate will be obtained before Construction of Building.

2) Under my seal and authority a No Objection Certificate is issued for the proposed construction of a 27 storeyed Mercantile Cum Residential building in the above mentioned site and survey number. A fresh No Objection Certificate should be obtained from this Department after completion of construction and before occupation of the building.

Sd/-

**P.CHANDRASEKHARAN, IPS  
COMMANDANT GENERAL,  
FIRE & RESCUE SERVICES.**

To

The Secretary, Thrikkakkara Municipality.  
Vide Lr.No.BA-65/1/2011 Dated: 11.10.2012.

Copy to: The Party (with approved fire fighting system plan)

The Assistant Divisional Officer, Fire & Rescue Services, Ernakulam.  
The Station Officer, Fire & Rescue Station, Thrikkakkara.

Approved for issue,

**P.K.SATHYAN,  
DIRECTOR (ADMN.)**

M.6/5

1577549

GOVERNMENT OF KERALA



Tele: 2872049

Reply should be addressed to  
the Flag Officer Commanding-in-Chief

Headquarters  
Southern Naval Command  
Kochi - 682 004

Quoting: AO/ 999/ HC

29 Apr 16

M/s Joy Alukkas Life Style Developers Pvt Ltd.  
Door No. 40/ 2096/A & B,  
Peevees Triton, Marine Drive  
Ernakulam  
Kochi - 682031

**ISSUE OF NOC FOR HEIGHT CLEARANCE FOR THE CONSTRUCTION OF  
NEW BUILDING PROJECT 'GOLD TOWER' SITUATED AT VAZHAKKALA, ERNAKULAM**

1. Refer to your letter No. JLD/ GT/ LTR/ 002/ 2015- 16 dated 19 Oct 15 regarding construction of New Building Project in Survey/ Plot No. 42/1, Block No. 09 of Vazhakkala Village, Kanayannur Taluk, Ernakulam District, Kerala.
2. The Indian Navy has no objection for the proposed construction at a distance of **9.1 Kms** on a bearing of **041°** from Aerodrome Reference Point (ARP) upto a maximum height of **96.45 Mtrs Above Mean Sea Level (AMSL) including water tank, aerals, lift-well, etc.**
3. The building is to be marked by day and night during construction and on its completion as per ICAO Annexure 14 Chapter 6 so as to be clearly visible from air. Backup power supply arrangements are also to be made to ensure lighting during prolonged power failures. The details regarding the markings of building may also be obtained from the Senior Air Traffic Control Officer, INS Garuda, Naval Base, Kochi on Tel - 2873182.
4. No Objection Certificate is issued on the express understanding that the site elevation, height of structure including any super structure on top, relative position, distance and bearing from runway end as tendered are correct. If, at any stage, it is established that the said data as tendered by you is different from the one submitted and which could adversely affect aircraft operations, the structure in respect of which NOC has been issued shall have to be demolished at your own cost. The applicant is therefore advised to again verify the site/ground elevation and distance from runway end /ARP before commencement of the construction.
5. The issue of NOC is further subject to the provision of section 9A of the Indian Aircraft Act 1934 (and as amended from time to time), ATMC Circular 06/2012 and Gazette of India Notification SO 84 (E) dated 14 Jan 10 and any amendments issued there under from time to time under which applicant may be called upon by this Headquarters, Southern Naval Command to demolish in whole or part of the structure authorized by this NOC.
6. In addition to the above, you are also requested to ensure the following:
  - (a) No light or combination of lights, which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the airport and no reflecting surface which may cause glare/glint to the aircraft on final approach shall be installed at the site at any time during or after the construction.
  - (b) There should be no electromagnetic transmission of any nature that may cause interference to aircraft / Air Traffic control radiotelephony operation.



(c) Cleared structure be marked and lighted with secondary power supply in accordance with Chapter VI of Annex 14.

(d) Construction of helipad on top of the building, if planned, is to be commenced only after obtaining separate permission for the same.

7. **The NOC for construction of the rooftop helipad is not to be construed as permission for Helicopter operations from the rooftop helipad.** You are required to obtain necessary clearances from various other concerned agencies viz. Fire Dept, Police Dept, Municipal Body (as applicable) and DGCA prior to commencement of helicopter operations from the rooftop helipad.

8. This certificate is valid for a period of **five years** from the date of issue. If the construction does not commence within five years of issue or is found to be in deviation from the original proposal, the NOC shall be deemed null and void. If it is envisaged that the building would take more than five years for completion, you are required to obtain a fresh NOC from this Headquarters prior to expiry of this NOC.

9. The building **Completion Report along with Occupancy Certificate** from Corporation is to be rendered to this Headquarters with a copy to the Commanding Officer INS Garuda, Naval Base, Kochi.

10. This NOC pertains only to safety of aircraft operations from Naval Air Station Kochi (INS Garuda). Since the site of the proposed construction **also** falls **within a distance of 20 Km radius from the Cochin International Airport (CIAL)**, another NOC regarding safety of aircraft operations from CIAL **also** is required to be obtained from CIAL authorities as advised to you by this office letter No AO/999/HC dated 28 Dec 15.



(Subhash Chandra)  
Commander  
Command Aviation Officer II  
for Flag Officer Commanding-in-Chief

**Copy to: -**

The Chief of the Naval Staff  
(for DNAS)  
Integrated Headquarters of  
Ministry of Defence (Navy)  
New Delhi – 110011

The Secretary,  
Kochi Municipal Corporation  
Near Boat Jetty, Park Avenue Road  
Ernakulam, Kochi – 11

The Commanding Officer  
INS Garuda

The Managing Director  
Cochin International Airport  
Kochi Airport P.O.  
Ernakulam-683111

**ANNEXURE VIII**

THE CONSENT ESTABLISH FROM KSPCB

FILE NO. - PCB/HO/EKM/ICE/32/2014



## KERALA STATE POLLUTION CONTROL BOARD

### INTEGRATED CONSENT TO ESTABLISH

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974  
The Air (Prevention & Control of Pollution) Act, 1981  
The Environment (Protection) Act, 1986

TO

Consent No. PCB/HO/EKM/ICE/20/2014  
M/s. Joyalukkas Life style Developers Private  
Limited  
2/144, Vazhakkala, Kochi - 30  
(for M/s. The Gold Tower, Vazhakkala)

Date: 19.09.2014

Validity: 30.06.2016

Copy to:

1. The Chief Environmental Engineer, Regional Office, Ernakulam
2. The Environmental Engineer, District Office-1, Ernakulam
3. The Secretary, Thrikkakara Municipality
4. Stock File







# 1. GENERAL

1	Validity	30.06.2016
2	Name and Address of the establishment	The Gold Tower Vazhakkala Ernakulam
3	Communication	Telephone: 9497725910 e-mail: <a href="mailto:customercareindia@joyalukkas.com">customercareindia@joyalukkas.com</a> Website: <a href="http://www.joyalukkas.com">www.joyalukkas.com</a>
4	Occupier details	Shri. Joy Alukkas Alias A. V. Joy
5	Survey Number	42/1
6	Local body	Thrikkakara Municipality
7	Village	Vazhakkala
8	Taluk	Kanayannur
9	District	Ernakulam
10	Category	Orange
11	Annual Fee	₹ 1,00,000/-
12	Fee remitted	₹ 3,00,000/-
13	Capital Investment	₹ 52.17 crore
14	Date of receipt of application	24.07.2013
15	Date of receipt of last clarification	01.08.2014
16	Date of enquiry	31.10.2013
17	Water consumption	161.335 KLD
18	Effluent Generation	150 m <sup>3</sup> /d
19	Activity	Construction of 176 apartments in B1 + B2 + G + 24 floors with total built up area 45091.38 m <sup>2</sup> DG set - 250 kVA (2 nos)



**2. GENERAL CONDITIONS**

- 2.1 This consent is granted subject to the power of the Board to review and make variation in all or any of the conditions.
- 2.2 This consent, unless withdrawn earlier and subject to Condition no. 2.1, shall be valid upto **30.06.2016**. At the end of the validity period if the construction is in progress, the same shall be got renewed. If the construction is not started in the consent period, the applicant shall apply afresh for consent to establish. Applications shall be submitted through online consent management system vide [krocmms.nic.in](http://krocmms.nic.in).
- 2.3 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.
- 2.4 The date of commissioning of the project shall be intimated at least one month in advance to the District Office of the Board at Ernakulam.
- 2.5 Consent to Operate under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 shall be obtained by the builder before commissioning the project.
- 2.6 A minimum set back as per Municipality Building Rule shall be provided between the boundary and the building and the set back can be utilised for the development of green belt.
- 2.7 Sewage Treatment Plant (STP) shall be set up beyond a minimum distance of  $10 \log Q$  metre, where Q is the sewage inflow in  $m^3/day$ , from the nearest residence/ other establishments.
- 2.8 D. G. sets shall be placed at a minimum distance of  $\sqrt{(kVA/2)}$  metre from nearest residence/worship places/other institutions (kVA is the capacity of D G sets).

**3. CONDITIONS AS PER The Water (Prevention & Control of Pollution) Act, 1974**

- 3.1 Effluent treatment plant consisting of treatment units with adequate design capacity as per the proposal submitted along with the application and additional treatment units such as ultrafiltration in order to achieve the treated effluent quality standards shall be constructed above ground level / cellar room having adequate space for inspection and shall be made functional before commissioning.
- 3.2 The sillage after chemical precipitation and settling shall join the sewage in the aeration unit.
- 3.3 Anaerobic system shall be introduced for sewage before treating in the aeration tank. Anoxic tank shall be replaced with adequate septic tanks.
- 3.4 Back wash from the filters shall be taken into aeration tank.
- 3.5 The screenings from the screen, skimmings from oil trap and entire sludge from sillage settling tank and excess sludge from post aeration tank along with biodegradable garbage shall be fed into biogas plant.
- 3.6 Disinfection unit shall be introduced between Pressure sand filter and Activated carbon filter.



- 3.7 The characteristics of treated effluent shall conform to the following tolerance limits :

Sl. No.	Characteristics	Unit	Gardening/ Flushing / Car washing
1.	pH	-	6.5-8.5
2.	Suspended solids	mg/l, max	20
3.	BOD, (3 day at 27°C)	mg/l, max	3
4.	Oil & Grease	mg/l, max	1

- 3.8 The treated effluent shall be reused for flushing & gardening to the maximum extent possible and balance shall be discharged into soak pit having honey combed brick wall / perforated ring side wall and 45 cm thick 2 mm sand envelop around it.
- 3.9 There shall be easy access to each and every effluent treatment unit and the recycling facility for inspection. Lighting arrangements shall be provided in the effluent treatment area, recycling area and backyard.
- 3.10 Time of Day type energy meter shall be installed exclusively for the effluent treatment and reuse system and shall be maintained properly.
- 3.11 The biodegradable solid waste including garbage shall be treated and disposed through biogas plant. Biogas and slurry shall be utilized effectively.
- 3.12 Arrangements shall be provided for rain water harvesting and for utilization of harvested rain water. The rainwater harvesting system shall be placed at a minimum distance of 20 m away from the soak pit.
- 3.13 Diesel generator of adequate capacity shall be provided as backup power to run the sewage / waste water treatment plant alongwith all associated pollution control devices.
- 3.14 Natural drainage of the area shall be protected.
- 3.15 Water meter shall be fixed to record consumption of water.

#### 4. CONDITIONS AS PER

#### The Air (Prevention & Control of Pollution) Act, 1981

- 4.1 The DG set shall be acoustically protected. The minimum height of chimney for venting emissions from DG set shall be 0.2  $\sqrt{\text{kVA}}$  metre above roof level of the highest nearby building, where kVA is the capacity of the D G set.
- 4.2 The sound level measured at 1 m outside the boundary of the premises shall not exceed the ambient sound level applicable to the adjoining area.
- 4.3 All operations likely to produce dust or noise shall be carried out with appropriate enclosure.

- 4.4 Water sprinklers shall be provided to suppress spreading of dust outside the premises during the construction phase. Suspended particulate matter at the boundary of the premises shall not exceed the standards applicable to the adjoining area.

#### 5. ADDITIONAL CONDITIONS

- 5.1 Proper precautionary measures shall be provided during construction phase to minimize disturbance to neighbours and neighbouring properties due to excavation, piling, transportation of materials etc.
- 5.2 The construction debris and mud discharges etc from the construction site shall be disposed safely.
- 5.3 Sanitary facilities shall be provided to the construction workers.
- 5.4 Non - biodegradable wastes shall be collected with due segregation and disposed off safely. The mode of disposal shall be intimated to the Board.
- 5.5 Suitable species of trees and certain plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment.
- 5.6 Renewable sources of energy namely solar energy shall be utilized effectively.
- 5.7 Used Lead acid batteries, if any shall be disposed as per the Battery (Management and Handling) Rules.
- 5.8 The location of the proposed buildings, sewage treatment plant, DG sets and other structures shall be as shown in the drawing attached. No change or alteration on these shall be made without prior clearance from this office.
- 5.9 Adequate safety measures shall be provided in accordance with fire safety regulation.
- 5.10 e- waste shall be disposed in an environmentally sound manner.
- 5.11 All conditions in Environmental Clearance No: 21/SEIAA/KL/871/2012 dated 14/11/2012 shall be fully complied with.

Date: 19.09.2014



Office Seal

MEMBER SECRETARY



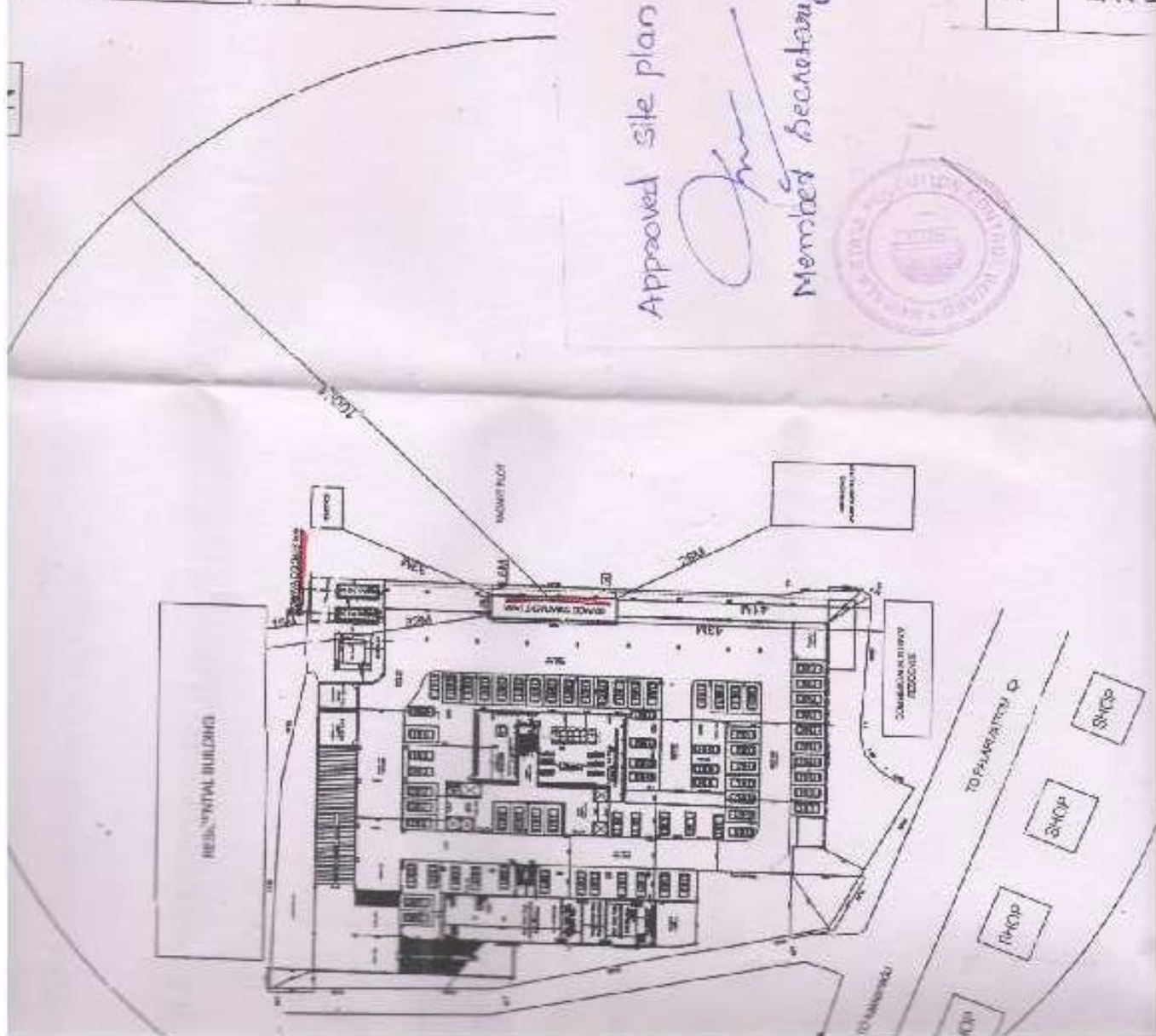
VILLAGE	:	VAZHAKKALA
TALUK	:	KANAYANNUR
MUNICIPALITY	:	THIRUKKAKARA
DISTRICT	:	ERNAKULAM
SURVEY NO.	:	42/1
BLOCK NO.	:	9

NAME AND ADDRESS OF THE APPLICANT

M/s JOY ALUKKAS LIFESTYLE DEVELOPERS P  
2/144, VAZHAKKALA,  
KOCCHI-30

Approved site plan

*[Signature]*  
Member Secretary



**ANNEXURE IX**

COPIES OF NEWS PAPER ADVERTISEMENTS MADE ON GRANTING OF EC



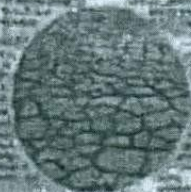
മലയാളത്തിന്റെ തിരുവാടക  
ഉൾക്കൊള്ളുന്നത്: ലോകം ഓരോ

ടൂറിസ്റ്റ് സന്ദർശനം: ചെന്നായി ബീച്ച് ഉണർന്നു



അമേരിക്കൻ പ്രസിഡൻ്റ്  
ബുഷിനെ പറ്റി പലതരം  
പ്രതികരണങ്ങൾ ഉയർന്നുവന്നു

# ജലസ്രോതസ്സുകൾ വറ്റിവരുത്തുന്നു; ജില്ല കൂടി വെള്ള ക്ഷാമത്തിലേക്കു



വാർഡ് നമ്പർ സംരക്ഷണ കമ്മിറ്റിയെ  
പോലീസ് സ്റ്റേഷൻ ഓഫീസ് നൽകി

പ്രൊഫ. സി. ജി. ശങ്കരൻ  
ജില്ലാ പഞ്ചായത്ത് പ്രസിഡൻ്റ്

ഇന്ത്യയിലെ ഏറ്റവും വലിയ  
ജില്ലാ പഞ്ചായത്ത്



കേരളത്തിലെ ഏറ്റവും വലിയ  
ജില്ലാ പഞ്ചായത്ത്

വി. മുഹമ്മദ് ഹുസൈൻ  
ജില്ലാ പഞ്ചായത്ത് പ്രസിഡൻ്റ്

ജില്ലാ പഞ്ചായത്ത് പ്രസിഡൻ്റ്  
ജില്ലാ പഞ്ചായത്ത് പ്രസിഡൻ്റ്



ജില്ലാ പഞ്ചായത്ത് പ്രസിഡൻ്റ്  
ജില്ലാ പഞ്ചായത്ത് പ്രസിഡൻ്റ്

\* Madhyamam 14/12/12

Kaerthi



സിന്ധുതല വിപ  
 ഓൾ 20 ശത  
 ലക്ഷക്കാരൻ  
 സിന്ധുതല വിപ  
 പടി സ്വീകരി  
 ഫ്. എക്സി  
 ദൻ അറിയി  
 യ കർഷക  
 ഉയ പച്ചക്ക

[illegible][illegible]

\* Madhuvaram 14/12/12



# FICN Case: First Accused to Turn Approver

Probe to Cross State Boundaries

**By S. S. Sankar**  
The first accused in the FICN case, a former official of the Kerala State Road Transport Corporation (KSRTC), has turned approver. The Kerala Police is now probing the case across state boundaries.

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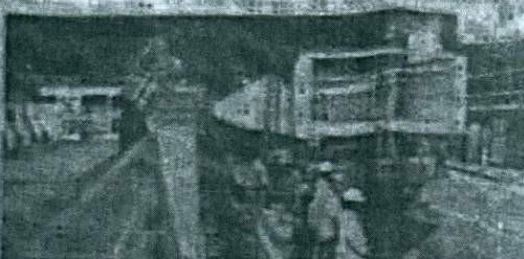
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## FLIGHT DELAYED

**By S. S. Sankar**  
A flight from Kerala to Bangalore was delayed for several hours due to technical problems. The airline officials are working to resolve the issue as soon as possible.



A group of people standing in front of a large building, possibly a government office or a public institution.

## Declining Sex Ratio to be Tackled

**By S. S. Sankar**  
The declining sex ratio in Kerala is a major concern for the government. Various measures are being taken to address the issue and improve the demographic balance.

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## Ex-Customs Official Held for Graft

**By S. S. Sankar**  
A former customs official has been arrested on charges of graft. The police are investigating the case and have seized several items of evidence.

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## COMPENSATION CASE: HC RAPS MINISTRY

**By S. S. Sankar**  
The High Court has rejected the Ministry's plea for compensation. The court has ruled in favor of the claimant, stating that the Ministry's actions were unjustified.

**By S. S. Sankar**  
The High Court has rejected the Ministry's plea for compensation. The court has ruled in favor of the claimant, stating that the Ministry's actions were unjustified.

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## Photo Exhibition from Today

**By S. S. Sankar**  
A photo exhibition is being held from today. The exhibition features a collection of photographs that highlight the cultural and historical heritage of the region.

## THE SREENARAYANATRUSTS

**By S. S. Sankar**  
The Sreenarayana Trusts are organizing a series of events to promote social welfare and community development. The events include seminars, workshops, and public meetings.

## POSTER NO. 65 KOLLAM DISTRICT

**By S. S. Sankar**  
The Kollam District is issuing a poster regarding the upcoming elections. The poster provides information about the candidates and the voting process.

## WANTED

**By S. S. Sankar**  
The police are seeking information about a person who is wanted for questioning. The person is described as being of Indian origin and is currently on the run.

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\*Times of India 14/12/2012



## Express News Service

**Kochi:** Keeping in mind the mounting threat of the declining sex ratio among children below six in the state, the National Rural Health Mission (NRHM) has joined hands with the Social Welfare Department to tackle the issue.

The NRHM noted that sex ratio among children below the age of six has declined to the lowest in several decades. Though Kerala has kept up its position in various health indicators, the decline in the ratio is a cause of concern for

the future, it said.

The ratio is the worst in the central and southern districts, including Ernakulam (954), Thrissur (948), Idukki (958), Alappuzha (947) and Kottayam (957). The Health Department should take steps to create awareness about the issue, considering the prevalence of the preference for a male child.

The NRHM called for strict steps and constant monitoring of female foeticide in the state. The NRHM and the Social Welfare Department would initiate projects to deal with the issue.

## Elected

**Kochi:** Juno Pallan, senior divisional manager, Kozhikode, and Gopikrishnan, divisional manager, Thiruvananthapuram, were elected state president and secretary of the United India Insurance Officers' Association (Kerala), states an official release.



**Gopikrishnan**



**Juno Pallan**, senior divisional manager, Kozhikode, and **Gopikrishnan**, divisional manager, Thiruvananthapuram, were elected state president and secretary of the United India Insurance Officers' Association (Kerala), states an official release.

## Training Programme

### Express News Service

**Kochi:** A training programme on 'Basic Life Saving Techniques' was organised by the Kerala Chamber Ladies Forum in association with Sunrise Hospital here on Tuesday.

The programme covered topics including burns, road accidents, allergies, head injuries and heart attacks. The training programme was carried out by a medical team from Sunrise Hospital.

## TE MEDICAL COLLEGE ENT ASSOCIATION

Campus, Modelkallur, PO: Atholi, Calicut-673315.  
Email: kpmcma1@gmail.com, Website: www.kpmcma.net

## TO POST GRADUATE DIPLOMA COURSES 2013

For candidates for the All India Entrance test to be Graduate Medical Degree/Diploma courses for the member colleges of the Kerala Private Medical Council (KPMCA). Prospectus and Application can be had onwards. Last date for receipt of application is [www.kpmcma.net](http://www.kpmcma.net).

If any, passed by appropriate Authorities/Courts of Law.  
Secretary, KPMCA

## NOTICE

This is to inform to the General Public that the proposed construction of a residential cum commercial building project at Re-survey No. 42/1, Block No. 9 of Vazhakkala Village, Kanayannur Taluk, Ernakulam District, Kerala being developed by M/s Joyalukkas India Pvt. Ltd. is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 21/SEIAA/KL/871/2012 dated. 14.12.2012 and the copy of the Environmental Clearance is available with the office of Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at [www.seiaakerala.org](http://www.seiaakerala.org)

## NOTICE

### STRIKE BY BANK EMPLOYEES ON 20<sup>th</sup> DECEMBER 2012

Indian Banks' Association (IBA), on behalf of its member banks, wishes to inform the public in general and banks customers in particular that All India Bank Employees' Association (AIBE), Bank Employees' Federation of India (BEFI) and All India Bank Officers' Association (AIBOA) have given a call to their members for a strike on 20<sup>th</sup> December, 2012 raising certain demands. At IBA level, efforts are being made to avert the proposed strike. In case, the strike materializes, the working of the banks where the Unions / Association have majority membership may get affected on 20<sup>th</sup> December 2012. As a precaution, all concerned are requested to transact their banking business in advance/ use alternate channels of banking facilities to avoid inconvenience to the extent possible.

IBA, on behalf of its member banks, regrets the inconvenience that may be caused to customers/members of the public.



**INDIAN BANKS' ASSOCIATION**

[www.iba.org.in](http://www.iba.org.in)

Times of India 14/12/2012



**ANNEXURE X**

**COMMUNICATION TO SEIAA ON NEWS PAPER ADVERTISEMENTS**

26.03.2013

From,

PP.Jose,  
Executive Director,  
M/s. Joyalukkas India Pvt.Ltd,  
Peevees Triton, Marine Drive, Kochi-31

To,

The Secretary,  
SEAC, Kerala

Sub :- Submission of Documents after issuance of EC

Ref :- 1. Our Letter Dated 03.01.2013

2. Your letter No. 21/SEIAA/KL/871/2012 Dated 8.03.2013.

Sir,

With reference to item No.1 referred above we had forwarded the copy of the "Proceedings of the State Environment Impact Assessment Authority", the original paper publications and Notarised Affidavit in compliance to the directions of your good office. Unfortunately vide item No. 2 above it is intimated to us that the notary attested affidavit is not received in your office.

In the light of the above and in compliance of the directions from your good office we are forwarding herewith the copy of the affidavit which was sent earlier and an original of the fresh affidavit.

Kindly acknowledge receipt of the fresh Affidavit in compliance of the directions. Regret the inconvenience caused.

Yours faithfully



  
PP.Jose

Executive Director.

Branches: New Delhi, Mumbai, Haryana, Bangalore, Hubli, Shimoga, Mysore, Mangalore,  
Hyderabad, Vizag, Warangal, Visakhapatnam, Coimbatore, Chennai, Cochin, Kollam, Thiruvananthapuram

Registered Office:  
Joyalukkas India Private Limited,  
Marine Drive, Kochi, India -682 031

**ANNEXURE XI**

COPIES OF COMMUNICATION ON GRANTING OF EC BY SEIAA TO MUNICIPALITY

17<sup>th</sup> December, 2012.

Municipal Secretary,  
Thrikkakara Municipality,  
Kakkanad P.O  
Pin - 682030

Ref No: File 21/SEIAA/KL/871/2012 dt. 14/11/2012

Sub: Environmental Clearance - Submitting copy of the Environmental Clearance for the Proposed residential cum commercial project at Re-survey No.: 42/1, Block No.: 9 of Vazhakkala Village, Kanayannur Taluk, Ernakulam District, Kerala.

Dear Sir,

We, M/s Joyalukkas India (P) Ltd., (formerly Joy Alukkas Traders (India) Pvt. Ltd.) Propose to develop a residential cum commercial project at re-survey No.: 42/1, Block No.: 9 of Vazhakkala Village, Kanayannur Taluk, Ernakulam District, Kerala. Attached herewith the copy of the Environmental Clearance bearing No. 21/SEIAA/KL/871/2012, dated, Thiruvananthapuram 14-11-2012 from State Environmental Impact Assessment Authority, Kerala (SEIAA) for your reference and record.

Thanking you,  
Yours faithfully,

For Joyalukkas India (P) Ltd.



P. P Jose,  
Executive Director.



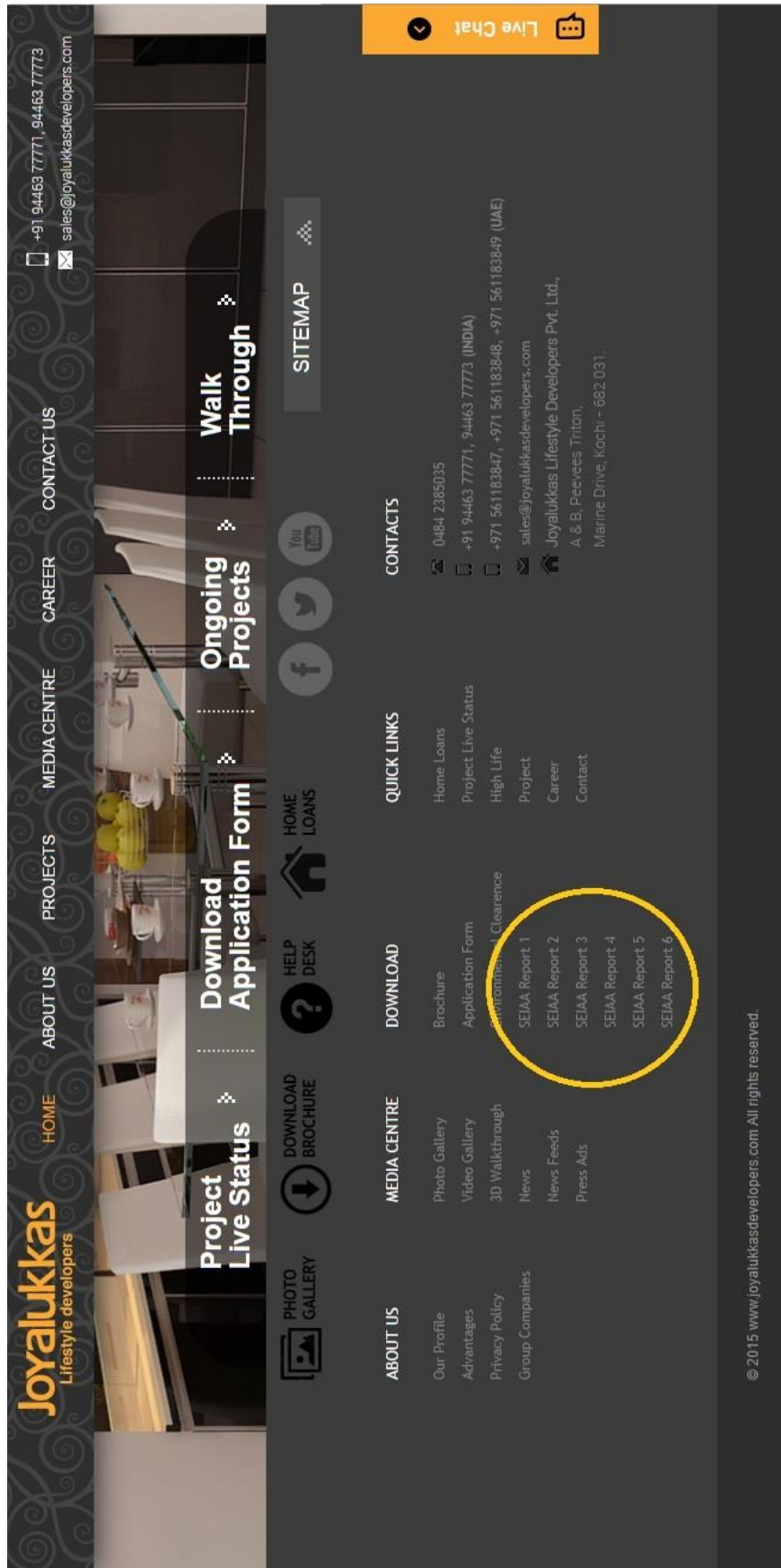
Branches:  
Mumbai, Gurgaon, Bangalore, Mangalore, Hyderabad, Vijayawada, Chennai, Coimbatore,  
Madurai, Salem, Tirunelveli, Vellore, Karur, Kancheepuram, Puducherry, Cochin,  
Angamaly, Thiruvalla, Kollam, Kottayam, Thrissur, Thiruvananthapuram.

Registered Office:  
Joyalukkas India Limited,  
Marine Drive, Kochi, India- 682031  
Tel: 0484 2385035, Fax: 0484 2385032  
E-mail: customercare@joyalukkas.com  
Website: www.joyalukkasindia.com

**ANNEXURE XII**

**A COPY OF THE COMPANY WEBSITE DISPLAY**





**ANNEXURE XIII**

**ENVIRONMENTAL MONITORING RESULT PICTURES DEPICTING  
ENVIRONMENTAL MONITORING**



# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

V / 78, Kollanpady, Murungaliparambu Road, Irumpanam P.O., Kochi - 682 309

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

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

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

### AMBIENT AIR QUALITY MONITORING REPORT

Report No : CTH/LR/16/08/862 A

Issue Date : August 23, 2016

Issued To:

M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Lab Identification No.	16/NN/862 A
Monitoring Station	Gold Tower Site, Kochi
Monitoring Date	19.08.2016
Monitored By	Cochin Test House
Date of Analysis	19.08.2016 - 23.08.2016


Sl.No	Parameters	Unit	Method	Result		
				11AM - 7PM	7PM - 3AM	3AM - 11AM
1	SO <sub>2</sub>	µg/m <sup>3</sup>	IS:5182(Pt.2):2009	14.32	10.13	13.09
2	NO <sub>x</sub>	µg/m <sup>3</sup>	IS:5182(Pt.6):2006	16.17	17.89	19.92
3	CO	mg/m <sup>3</sup>	IS:5182(Pt.10):2009	BDL(MD-0.11)	BDL(MD-0.11)	BDL(MD-0.11)
4	PM <sub>10</sub>	µg/m <sup>3</sup>	IS:5182(Pt.23):2006	49.31 (24 hrs Sampling)		
5	PM <sub>2.5</sub>	µg/m <sup>3</sup>	USEPA	20.15 (24 hrs Sampling)		

BDL- Below Detection Limit; MDL-Minimum Detection Limit.

End of Report



  
Verified By

  
K.P. Yacob  
Authorised Signatory  
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.





# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

V / 78, Kollanpady, Murungaliparambu Road, Irumpanam P.O., Kochi - 682 309

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### TEST REPORT

Report No : CTH/LR/16/08/862 B

Issue Date : August 24, 2016

Name and Address of customer

M/S.Joy Alukkas,  
Life Style Developers Pvt. Ltd  
Vazhakkala, KOCHI - 682 030

Sample Drawn By

Cochin Test House

Particulars of the sample

Water Sample

Sample code

16/NN/862 B

Date of receipt of sample

19.08.2016

Dates of Analysis

19.08.2016 - 23.08.2016

Description of the sample by the customer

Ground water

Sl.No.	Parameters	Unit	Method	Result
1	Colour	Colour units	IS :3025 (Pt.4)	2.0
2	Odour	-	IS:3025 (Pt. 5)	Unobjectionable
3	Turbidity	NTU	IS 3025 (Pt.10)	BDL(MDL - 1.0)
4	pH@25°C	-	IS: 3025 (Pt.11)	7.29
5	Total Hardness as CaCO <sub>3</sub>	mg/l	IS 3025 (Pt. 21)	62
6	Iron as Fe	mg/l	IS :3025 (Pt.53)	0.24
7	Chloride as Cl	mg/l	IS: 3025 (Pt.32)	33.50
8	Total Dissolved Solids	mg/l	IS :3025 (Pt.16)	142
9	Sulphate as SO <sub>4</sub>	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500 SO <sub>4</sub> <sup>2-</sup> E	23.9
10	Alkalinity as CaCO <sub>3</sub>	mg/l	IS :3025(Pt.23 )	64.07
11	Electrical Conductivity @ 25°C	Micromhos/cm	IS :3025(Pt.14 )	281
12	Calcium as Ca	mg/l	IS :3025(Pt.40 )	20.8
13	Magnesium as Mg	mg/l	IS :3025(Pt.46 )	2.43
14	Residual Free Chlorine	mg/l	IS :3025(Pt.26 )	BDL(MDL - 1.0)
15	Reactive Silica as SiO <sub>2</sub>	mg/l	IS :3025(Pt.35 )	13.59
16	Total Phosphate as P	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500-P(C)	0.54

BDL - Below Detection Limit; MDL - Minimum Detection Limit.

End of report

Verified By

K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

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

### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/08/862 C

Issue Date : August 26, 2016

Name and Address of customer

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Sample code

: 16/NN/862 C

Date of Monitoring

: 19.08.2016 - 20.08.2016

Monitoring Location

: Gold Tower Site, Kochi

SL.NO	TIME	Leq	L10	L50	L90
1	11.00 AM - 12.00 AM	65.0	70.0	65.8	61.9
2	12.00 AM - 01.00 PM	63.6	63.6	64.8	61.1
3	01.00 PM - 02.00 PM	65.3	61.8	63.2	63.2
4	02.00 PM - 03.00 PM	70.0	65.4	65.2	60.7
5	03.00 PM - 04.00 PM	63.6	63.9	65.0	51.5
6	04.00 PM - 05.00 PM	61.8	64.9	63.6	49.5
7	05.00 PM - 06.00 PM	65.4	65.1	65.3	60.0
8	06.00 PM - 07.00 PM	63.9	63.4	70.0	60.7
9	07.00 PM - 08.00 PM	64.9	54.6	63.6	60.6
10	08.00 PM - 09.00 PM	65.1	52.9	61.8	60.9
11	09.00 PM - 10.00 PM	63.4	60.8	65.4	61.0
12	10.00 PM - 11.00 PM	54.6	61.1	63.9	61.9
13	11.00 PM - 12.00 PM	52.9	61.0	64.9	61.1
14	12.00 PM - 01.00 AM	60.8	61.2	65.1	63.2
15	01.00 AM - 02.00 AM	61.1	61.7	63.4	60.7
16	02.00 AM - 03.00 AM	61.0	62.2	54.6	51.5
17	03.00 AM - 04.00 AM	61.2	70.0	52.9	49.5
18	04.00 AM - 05.00 AM	61.7	63.6	60.8	60.0
19	05.00 AM - 06.00 AM	62.2	61.8	61.1	60.7
20	06.00 AM - 07.00 AM	65.4	65.4	61.0	60.6
21	07.00 AM - 08.00 AM	54.6	60.9	61.2	60.9
22	08.00 AM - 09.00 AM	52.9	61.0	61.7	61.0
23	09.00 AM - 10.00 AM	60.8	61.5	62.2	61.2
24	10.00 AM - 11.00 AM	61.1	63.2	65.4	62.7

End of Report

Verified By



K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

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

### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/08/862 C-I

Name and Address of customer

Issue Date : August 26, 2016

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Sample code

: 16/NN/862 C

Date of Monitoring

: 19.08.2016 - 20.08.2016

Monitoring Location

: Gold Tower Site, Kochi

SL.NO	Leq Day Time	Leq Night Time	Leq(DN) Day and Night
1	61.6	59.8	67.6

End of report

Verified By



K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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## ANALYTICAL SERVICES & TESTING LABORATORY

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

### TEST REPORT

Report No : CTH/LR/16/09/1020 A

Issue Date : September 26, 2016

Name and Address of customer

: M/S.Joy Alukkas,  
Life Style Developers Pvt. Ltd  
Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Particulars of the sample

: Water Sample

Sample code

: 16/NN/1020 A

Date of receipt of sample

: 23.09.2016

Dates of Analysis

: 23.09.2016 - 26.09.2016

Description of the sample by the customer

: Ground water

Sl.No.	Parameters	Unit	Method	Result
1	Colour	Colour units	IS :3025 (Pt.4)	2.0
2	Odour	-	IS:3025 (Pt. 5)	Unobjectionable
3	Turbidity	NTU	IS 3025 (Pt.10)	BDL(MDL - 1.0)
4	pH@25°C	-	IS: 3025 (Pt.11)	6.98
5	Total Hardness as CaCO <sub>3</sub>	mg/l	IS 3025 (Pt. 21)	42
6	Iron as Fe	mg/l	IS :3025 (Pt.53)	0.19
7	Chloride as Cl	mg/l	IS: 3025 (Pt.32)	21.53
8	Total Dissolved Solids	mg/l	IS :3025 (Pt.16)	174
9	Sulphate as SO <sub>4</sub>	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500 SO <sub>4</sub> <sup>2-</sup> E	18.75
10	Alkalinity as CaCO <sub>3</sub>	mg/l	IS :3025(Pt.23 )	58.25
11	Electrical Conductivity @ 25°C	Micromhos/cm	IS :3025(Pt.14 )	351
12	Calcium as Ca	mg/l	IS :3025(Pt.40 )	13.6
13	Magnesium as Mg	mg/l	IS :3025(Pt.46 )	1.95
14	Residual Free Chlorine	mg/l	IS :3025(Pt.26 )	BDL(MDL - 1.0)
15	Reactive Silica as SiO <sub>2</sub>	mg/l	IS :3025(Pt.35 )	11.18
16	Total Phosphate as P	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500-P(C)	0.65

BDL -Below Detection Limit; MDL - Minimum Detection Limit.

End of report

Verified By

K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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

### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/09/1020 B

Issue Date : September 26, 2016

Name and Address of customer

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Sample code

: 16/NN/1020 B

Date of Monitoring

: 23.09.2016 - 24.09.2016

Monitoring Location


: Gold Tower Site, Kochi

SL.NO	TIME	Leq	L10	L50	L90
1	11.00 AM - 12.00 AM	63.9	61.1	60.0	70.0
2	12.00 AM - 01.00 PM	64.9	61.0	60.7	63.6
3	01.00 PM - 02.00 PM	65.1	61.2	60.6	61.8
4	02.00 PM - 03.00 PM	63.4	61.7	60.9	65.4
5	03.00 PM - 04.00 PM	54.6	62.2	61.0	63.9
6	04.00 PM - 05.00 PM	52.9	65.4	61.2	64.9
7	05.00 PM - 06.00 PM	60.8	54.6	62.7	65.1
8	06.00 PM - 07.00 PM	63.9	52.9	60.0	63.4
9	07.00 PM - 08.00 PM	64.9	60.8	63.6	54.6
10	08.00 PM - 09.00 PM	65.1	61.1	61.8	52.9
11	09.00 PM - 10.00 PM	63.4	61.1	65.4	61.0
12	10.00 PM - 11.00 PM	54.6	61.0	63.9	61.9
13	11.00 PM - 12.00 PM	52.9	61.0	64.9	61.1
14	12.00 PM - 01.00 AM	60.8	61.2	65.1	63.2
15	01.00 AM - 02.00 AM	61.1	61.7	63.4	60.7
16	02.00 AM - 03.00 AM	61.0	62.2	54.6	51.5
17	03.00 AM - 04.00 AM	61.2	70.0	52.9	49.5
18	04.00 AM - 05.00 AM	61.7	63.6	60.8	60.0
19	05.00 AM - 06.00 AM	62.2	61.8	61.1	60.7
20	06.00 AM - 07.00 AM	65.4	65.4	61.0	60.6
21	07.00 AM - 08.00 AM	54.6	60.9	61.2	60.9
22	08.00 AM - 09.00 AM	52.9	61.0	61.7	61.0
23	09.00 AM - 10.00 AM	60.8	61.5	62.2	61.2
24	10.00 AM - 11.00 AM	61.1	63.2	65.4	62.7

End of Report

Verified By 



  
K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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

### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/09/1020 B-I

Name and Address of customer

Issue Date : August 26, 2016

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

Sample code

Date of Monitoring

Monitoring Location

: Cochin Test House

: 16/NN/1020 B


: 23.09.2016 - 24.09.2016

: Gold Tower Site, Kochi

SL.NO	Leq Day Time	Leq Night Time	Leq(DN) Day and Night
1	62.1	59.6	67.3

End of report

Verified By

  
K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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

### TEST REPORT

Report No : CTH/LR/16/09/1077 A

Issue Date : October 16, 2016

Name and Address of customer

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Particulars of the sample

: Water Sample

Sample code

: 16/NN/1077 A

Date of receipt of sample

: 12.10.2016

Dates of Analysis

: 12.10.2016 - 15.10.2016

Description of the sample by the customer

: Ground water

Sl.No.	Parameters	Unit	Method	Result
1	Colour	Colour units	IS :3025 (Pt.4)	2.0
2	Odour	-	IS:3025 (Pt. 5)	Unobjectionable
3	Turbidity	NTU	IS 3025 (Pt.10)	BDL(MDL - 1.0)
4	pH@25°C	-	IS: 3025 (Pt.11)	7.41
5	Total Hardness as CaCO <sub>3</sub>	mg/l	IS 3025 (Pt. 21)	58
6	Iron as Fe	mg/l	IS :3025 (Pt.53)	0.13
7	Chloride as Cl	mg/l	IS: 3025 (Pt.32)	38.29
8	Total Dissolved Solids	mg/l	IS :3025 (Pt.16)	129
9	Sulphate as SO <sub>4</sub>	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500 SO <sub>4</sub> <sup>2-</sup> E	19.1
10	Alkalinity as CaCO <sub>3</sub>	mg/l	IS :3025(Pt.23 )	75.72
11	Electrical Conductivity @ 25°C	Micromhos/cm	IS :3025(Pt.14 )	253
12	Calcium as Ca	mg/l	IS :3025(Pt.40 )	17.6
13	Magnesium as Mg	mg/l	IS :3025(Pt.46 )	3.45
14	Residual Free Chlorine	mg/l	IS :3025(Pt.26 )	BDL(MDL - 1.0)
15	Reactive Silica as SiO <sub>2</sub>	mg/l	IS :3025(Pt.35 )	12.09
16	Total Phosphate as P	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500-P(C)	0.45

BDL - Below Detection Limit; MDL - Minimum Detection Limit.

End of report

Verified By



K.P. Jacob  
Authorised Signatory  
COCHIN TEST HOUSE

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# COCHIN TEST HOUSE

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### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/10/1077 B

Issue Date : October 17, 2016

Name and Address of customer

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Sample code

: 16/NN/1077 B

Date of Monitoring

: 12.10.2016 - 13.10.2016

Monitoring Location

: Gold Tower Site, Kochi

SL.NO	TIME	Leq	L10	L50	L90
1	09.00 AM - 10.00 AM	60.0	61.1	61.1	62.7
2	10.00 AM - 11.00 AM	63.6	61.0	63.2	60.0
3	11.00 AM - 12.00 AM	61.8	61.2	60.7	63.6
4	12.00 AM - 01.00 PM	65.4	61.7	51.5	61.8
5	01.00 PM - 02.00 PM	63.9	62.2	49.5	65.4
6	02.00 PM - 03.00 PM	64.9	65.4	60.0	63.9
7	03.00 PM - 04.00 PM	65.1	54.6	60.7	64.9
8	04.00 PM - 05.00 PM	63.4	52.9	61.1	65.1
9	05.00 PM - 06.00 PM	54.6	60.8	63.2	63.4
10	06.00 PM - 07.00 PM	52.9	61.1	60.7	52.9
11	07.00 PM - 08.00 PM	60.8	61.1	65.4	61.0
12	08.00 PM - 09.00 PM	61.1	61.0	63.9	61.9
13	09.00 PM - 10.00 PM	61.0	61.0	64.9	61.1
14	10.00 PM - 11.00 PM	61.2	61.2	65.1	63.2
15	11.00 PM - 12.00 PM	61.1	61.7	63.4	60.7
16	12.00 PM - 01.00 AM	61.0	62.2	54.6	51.5
17	01.00 AM - 02.00 AM	52.9	70.0	52.9	49.5
18	02.00 AM - 03.00 AM	61.0	63.6	60.8	60.0
19	03.00 AM - 04.00 AM	61.9	61.8	61.1	61.0
20	04.00 AM - 05.00 AM	61.1	65.4	61.0	61.2
21	05.00 AM - 06.00 AM	63.2	60.9	61.2	61.7
22	06.00 AM - 07.00 AM	60.7	61.0	61.7	62.2
23	07.00 AM - 08.00 AM	51.5	61.5	62.2	70.0
24	08.00 AM - 09.00 AM	49.5	63.2	65.4	63.6

End of Report

Verified By



K.P. Jacob  
Authorised Signatory  
COCHIN TEST HOUSE

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# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

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

### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/09/1077 B-I

Issue Date : October 17, 2016

Name and Address of customer

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Sample code

: 16/NN/1077 B

Date of Monitoring

: 12.10.2016 - 13.10.2016

Monitoring Location


: Gold Tower Site, Kochi

SL.NO	Leq Day Time	Leq Night Time	Leq(DN) Day and Night
1	63.5	59.9	66.3

End of report

  
Verified By



  
K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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## ANALYTICAL SERVICES & TESTING LABORATORY

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

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

### AMBIENT AIR QUALITY MONITORING REPORT

Report No : CTH/LR/16/11/1207

Issue Date : November 23, 2016

Issued To:

M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Lab Identification No.	16/NN/1207
Monitoring Station	Gold Tower Site, Kochi
Monitoring Date	19.11.2016
Monitored By	Cochin Test House
Date of Analysis	19.11.2016 - 22.11.2016

Sl.No	Parameters	Unit	Method	Result		
				10AM - 6PM	6PM - 2AM	2AM - 10AM
1	SO <sub>2</sub>	µg/m <sup>3</sup>	IS:5182(Pt.2):2009	12.15	15.23	10.69
2	NO <sub>x</sub>	µg/m <sup>3</sup>	IS:5182(Pt.6):2006	19.07	20.02	17.31
3	CO	mg/m <sup>3</sup>	IS:5182(Pt.10):2009	BDL(MD-0.11)	BDL(MD-0.11)	BDL(MD-0.11)
4	PM <sub>10</sub>	µg/m <sup>3</sup>	IS:5182(Pt.23):2006	50.36 (24 hrs Sampling)		
5	PM <sub>2.5</sub>	µg/m <sup>3</sup>	USEPA	22.63 (24 hrs Sampling)		

BDL- Below Detection Limit; MDL-Minimum Detection Limit.

End of Report



Verified By

K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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





# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

V / 78, Kollanpady, Murungaliparambu Road, Irumpanam P.O., Kochi - 682 309

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

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

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

### TEST REPORT

Report No : CTH/LR/16/11/1205

Issue Date : November 26, 2016

Name and Address of customer

: M/S.Joy Alukkas,  
Life Style Developers Pvt. Ltd  
Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Particulars of the sample

: Water Sample

Sample code

: 16/NN/1205

Date of receipt of sample

: 18.11.2016

Dates of Analysis

: 18.11.2016 - 24.11.2016

Description of the sample by the customer

: Ground water


Sl.No.	Parameters	Unit	Method	Result
1	Colour	Colour units	IS :3025 (Pt.4)	2.0
2	Odour	-	IS:3025 (Pt. 5)	Unobjectionable
3	Turbidity	NTU	IS 3025 (Pt.10)	BDL(MDL - 1.0)
4	pH@25°C	-	IS: 3025 (Pt.11)	7.18
5	Total Hardness as CaCO <sub>3</sub>	mg/l	IS 3025 (Pt. 21)	68
6	Iron as Fe	mg/l	IS :3025 (Pt.53)	0.29
7	Chloride as Cl	mg/l	IS: 3025 (Pt.32)	31.11
8	Total Dissolved Solids	mg/l	IS :3025 (Pt.16)	158
9	Sulphate as SO <sub>4</sub>	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500 SO <sub>4</sub> <sup>2-</sup> E	22
10	Alkalinity as CaCO <sub>3</sub>	mg/l	IS :3025(Pt.23 )	69.9
11	Electrical Conductivity @ 25°C	Micromhos/cm	IS :3025(Pt.14 )	313
12	Calcium as Ca	mg/l	IS :3025(Pt.40 )	16
13	Magnesium as Mg	mg/l	IS :3025(Pt.46 )	6.82
14	Residual Free Chlorine	mg/l	IS :3025(Pt.26 )	BDL(MDL - 1.0)
15	Reactive Silica as SiO <sub>2</sub>	mg/l	IS :3025(Pt.35 )	14.45
16	Total Phosphate as P	mg/l	APHA:22 <sup>nd</sup> Ed. 2012 4500-P(C)	0.45

BDL -Below Detection Limit; MDL - Minimum Detection Limit.

End of report

  
Verified By



  
K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

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

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

### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/11/1208

Issue Date : November 21, 2016

Name and Address of customer

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Sample code

: 16/NN/1208

Date of Monitoring

: 18.11.2016 - 19.11.2016

Monitoring Location

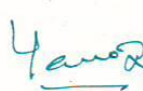
: Gold Tower Site, Kochi

SL.NO	TIME	Leq	L10	L50	L90
1	10.00 AM - 11.00 AM	60.2	62.2	61.1	61.0
2	11.00 AM - 12.00 AM	62.6	65.4	63.2	52.9
3	12.00 AM - 01.00 PM	61.3	54.6	60.7	61.0
4	01.00 PM - 02.00 PM	64.8	52.9	51.5	61.9
5	02.00 PM - 03.00 PM	63.9	60.8	61.1	61.1
6	03.00 PM - 04.00 PM	64.9	61.1	63.2	63.2
7	04.00 PM - 05.00 PM	65.1	61.1	60.7	61.0
8	05.00 PM - 06.00 PM	63.4	61.2	65.4	52.9
9	06.00 PM - 07.00 PM	54.6	61.7	63.6	61.0
10	07.00 PM - 08.00 PM	52.9	62.2	54.6	52.9
11	08.00 PM - 09.00 PM	60.8	61.2	52.9	61.0
12	09.00 PM - 10.00 PM	61.1	60.8	60.8	61.9
13	10.00 PM - 11.00 PM	61.0	63.6	63.6	61.1
14	11.00 PM - 12.00 PM	61.2	63.6	63.6	63.2
15	12.00 PM - 01.00 AM	61.1	54.6	54.6	60.7
16	01.00 AM - 02.00 AM	63.2	52.9	52.9	51.5
17	02.00 AM - 03.00 AM	60.7	60.8	54.6	49.5
18	03.00 AM - 04.00 AM	65.4	61.7	52.9	60.0
19	04.00 AM - 05.00 AM	63.9	62.2	61.1	61.0
20	05.00 AM - 06.00 AM	64.9	70.0	61.0	61.0
21	06.00 AM - 07.00 AM	65.1	63.6	61.2	61.2
22	07.00 AM - 08.00 AM	60.7	61.0	61.7	61.1
23	08.00 AM - 09.00 AM	51.5	61.5	62.2	63.2
24	09.00 AM - 10.00 AM	49.5	63.2	65.4	61.2

End of Report

Verified By 



  
K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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# COCHIN TEST HOUSE

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

### SOUND LEVEL MONITORING REPORT

Report No : CTH/LR/16/11/1208-I

Issue Date : November 21, 2016

Name and Address of customer

: M/S.Joy Alukkas,

Life Style Developers Pvt. Ltd

Vazhakkala, KOCHI - 682 030

Sample Drawn By

: Cochin Test House

Sample code

: 16/NN/1208

Date of Monitoring

: 18.11.2016 - 19.11.2016

Monitoring Location

: Gold Tower Site, Kochi

SL.NO	Leq Day Time	Leq Night Time	Leq(DN) Day and Night
1	63.8	58.3	65.6

End of report

Verified By

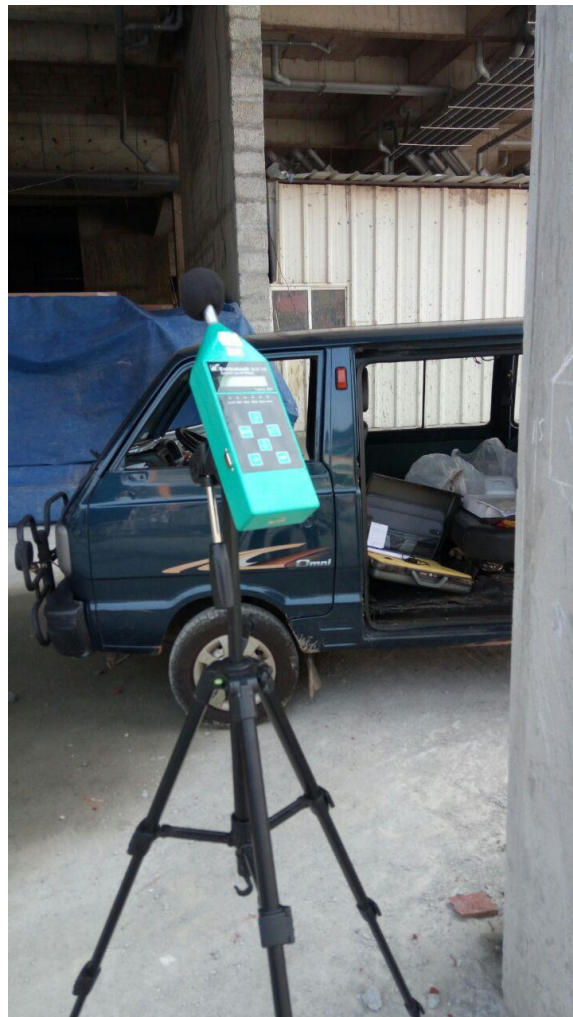


K.P. Yacob  
Authorised Signatory  
COCHIN TEST HOUSE

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**ANNEXURE XIV**

**AFFIDAVIT PRODUCED BY THE PROPONENT**



കേരളം KERALA

### AFFIDAVIT

AN 643199

I, Alukkas Varghese Joy (Joy Alukkas), Director, M/s Joyalukkas Lifestyle Developers Pvt. Ltd., having its registered office at A&B Peevees Triton, Marine Drive, Cochin - 31, in the building project, which is being executed in Re-survey no. 42/1, Block no, 09 of Vazhakkala village, Kanayannur Taluk, Ernakulam District, Kerala, on behalf of the company, do solemnly declared and affirms before the State Environmental Impact Assessment Authority the following:

1. Environmental Monitoring Cell for the project referred above is already functional.
2. Firefighting system shall be provided.
3. Measures to minimize dust emissions is being provided and will continue do till the end of project.
4. Adequate safety measures for the construction workers is being provided and will continue do till the end of project.
5. The following shall be uploaded the in the web site.
  - a. EC order
  - b. Status of compliance of stipulated EC conditions.
  - c. Result of monitoring data and update the same periodically.
6. Shall send the copy of the EC to the LSG concerned.

Place: Ernakulam.

Solemnly affirmed and signed before me by the deponent, at my office at Ernakulam on this the 3rd day of December 2014.

JAYSON JOSEPH  
Notary Public  
Ernakulam



  
Alukkas Varghese Joy

34646 Date 25-11-2014

LISSY SEBASTIAN  
CJM Court Vandal EKM

Joy Alukkas Lifestyle Developers  
Pvt Ltd, Ernakulam

