

**HALF YEARLY COMPLIANCE REPORT FOR PROPOSED
REDSIDENTIAL PROJECT OF JOYALUKKAS**

**AT
VAZHAKALA**

December 2014

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



**M/s. Joyalukkas Lifestyle Developers (Private) Limited
A&B Peevees Triton, Marine Drive, Kochi, Kerala-682 031**

Table of Contents

1. Status of Compliance to the conditions made while granting Environmental Clearance by MoEF.

List of Annexures

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
Annexure III	Environmental monitoring cell details
Annexure IV	Landscape map of the proposed project
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)
Annexure VI	Building permit obtained from Thrikkakara municipality
Annexure VII	No Objection Certificate from Fire and Rescue Service
Annexure VIII	The Consent to Establish from KSPCB
Annexure IX	Copies of News Paper Advertisements made on granting of EC
Annexure X	Communication to SEIAA on News Paper Advertisements
Annexure XI	Copies of Communication on granting of EC by SEIAA to municipality
Annexure XII	A copy of the Company Website Display
Annexure XIII	Environmental Monitoring Results
Annexure XIV	The Affidavit produced by the Proponent

RESDIDENTIAL PROJECT OF JOYALUKKAS
STATUS OF COMPLIANCE TO THE CONDITIONS MADE WHILE GRANTING
ENVIRONMENTAL CLEARANCE

1. 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 Peevees 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 14th November, 2012. The conditions lay out while granting the clearance along with the compliance to the same is followed. Presently the construction of proposed building is going on.

Table 1. Status of Compliance to the Conditions made while granting Environmental Clearance

Sl.No	Condition	Compliance
A. Specific Conditions		
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 Annexure I The sanction for the construction near 110Kv tower line is obtained from KSEB and the same is attached as Annexure II .
B. General Conditions		
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 almost over. Also a provision will be made for the Filtration and Disinfection of this collected water.
2	Environmental Monitoring Cell	Environmental Monitoring Cell had already constituted and it is working with full fledge.

Sl.No	Condition	Compliance
	should be formed and made functional.	The detail of the Cell is presented in Annexure III 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 Annexure IV 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 Annexure V
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	Project proponent will comply with any additional conditions or modifications of existing conditions up to the satisfaction of SEIAA.

Sl.No	Condition	Compliance
	provisions of Environmental (protection) Act,1986, to ensure effective implementation of the suggested safe guard measure in the time bound and satisfactory manner	
7	All other statutory clearances shall be obtained , as applicable , by the project proponent\s from the respective competent authorities	<p>All statutory clearances applicable to the project, was already obtained at the time of first half yearly compliance and are annexed as follows :</p> <p>Building permit obtained from Thrikkakara municipality in Annexure VI for reference.</p> <p>No objection certificate from Fire and Rescue Service head quarters, Trivandrum in Annexure VII for reference.</p>
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	The Consent to Establish from KSPCB is obtained and attached as Annexure VIII .

Sl.No	Condition	Compliance
	pollution) Act 1981,the Environmental (protection)Act ,1986, the public Liability (Insurance)Act,1991 and EIA notification ,2006	
9	The project proponent should advertise at least two local news papers 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 www.seiaakerala.org .The	Joy Alukkas has already advertised in two local news papers and the copy of the same is presented as Annexure IX 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 Annexure X .

Sl.No	Condition	Compliance
	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.	
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.	<p>Proponent has already sent a copy of the clearance letter to concerned municipality and the copy of the communication made is attached in Annexure XI.</p> <p>The clearance letter as well as the compliance status is already available in the website of the company through the link: http://www.joyalukkaslifestyledevelopers.com/. A copy of the web display is presented as Annexure XII for reference.</p>
11	The proponent shall submit six monthly report on compliance of the stipulated EC conditions	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

Sl.No	Condition	Compliance
	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.	Climate Change, Kerala. Pictures depicting the environmental monitoring carried out at site and the results of Environmental monitoring are attached with this report as Annexure XIII .
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 Annexure XIV for reference.

ANNEXURE I

Photographs of the permanent fencing provided around the tower line in accordance with KSEB norms



Photograph for the fencing provided around the tower line

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:-dyceiekm@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

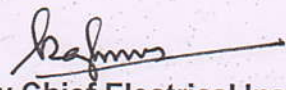
Sanction is hereby accorded under Regulation 63 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the construction of a residential building near 110 kV Kalamassery-Vyttila feeder between locations 25 and 26 in Sy. No. 42/1 in Vazhakkala village by M/s.Joy Alukkas, Life Style 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




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 monitoring cell details

ENVIRONMENTAL MONITORING CELL

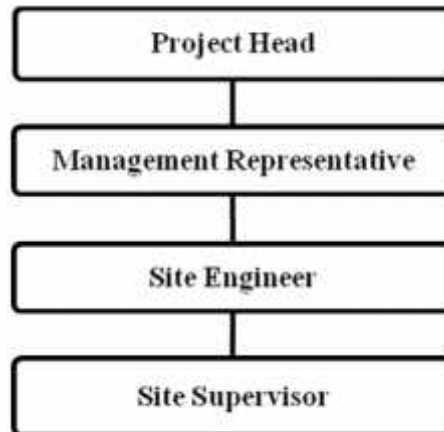
1.1 General

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.

1.2 EMC structure



1.3 The roles and responsibilities of each of the EMC officer

1.3.1 Project Head –Mr. Roy James

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, M/S Joy Alukkas 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.
-

1.3.2 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.

1.3.3 Site Engineer – Mrs. Bindu shaji

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.
-

1.3.4 Site Supervisor – Mr. Mohammed Saleem

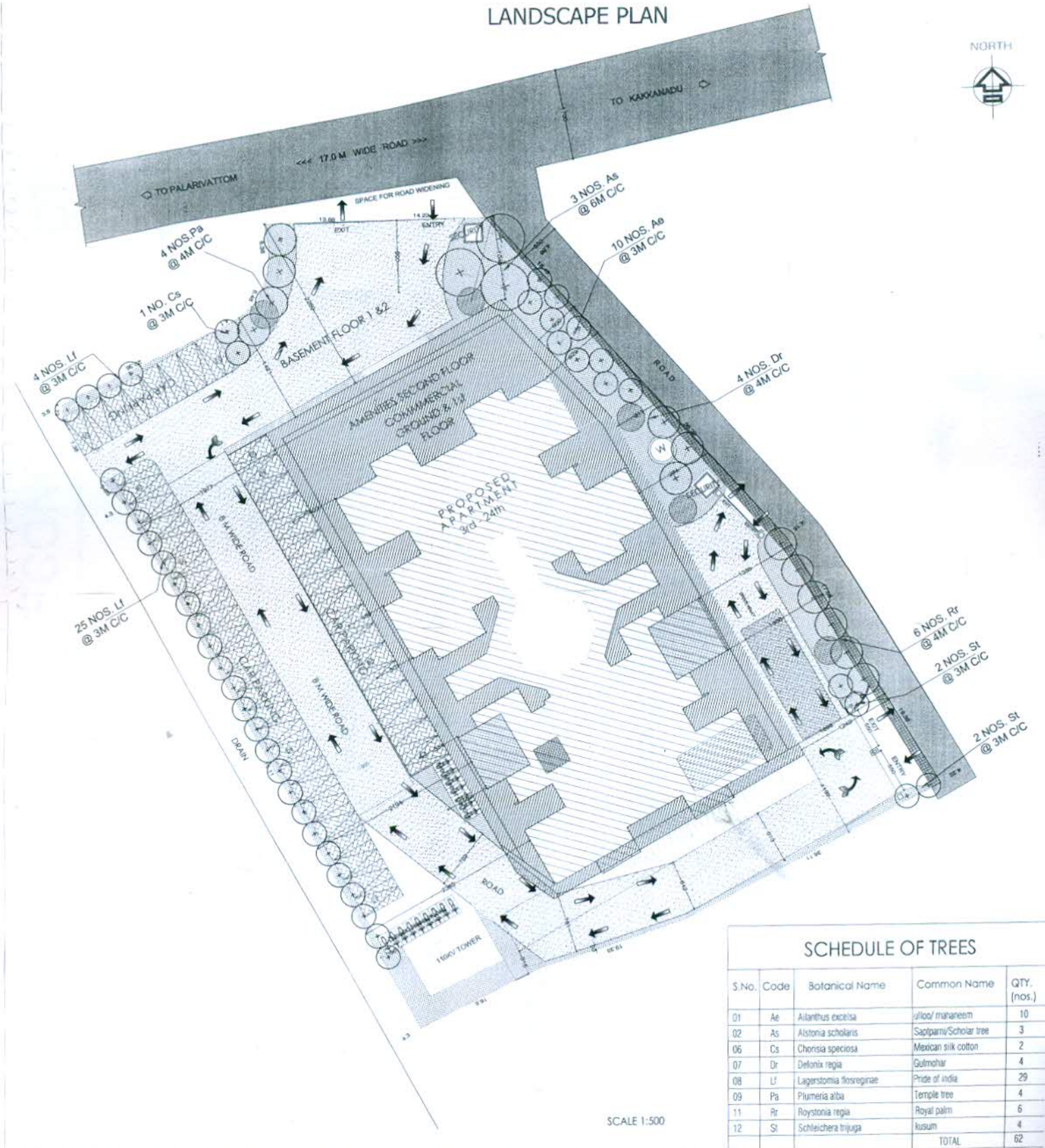
Site supervisor and reporting to the Site Engineer of PMC and is responsible for execution of project activities such that

- 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 the proposed project

LANDSCAPE PLAN



SCHEDULE OF TREES

S.No.	Code	Botanical Name	Common Name	QTY. (nos.)
01	Ae	<i>Ailanthus excelsa</i>	Allo/ maraneem	10
02	As	<i>Alstonia scholaris</i>	Saptarni/Scholar tree	3
06	Cs	<i>Chorisia speciosa</i>	Mexican silk cotton	2
07	Dr	<i>Delonix regia</i>	Gulmohar	4
08	Lf	<i>Lagerstomia flosreginae</i>	Pride of India	29
09	Pa	<i>Plumeria alba</i>	Temple tree	4
11	Rr	<i>Roystonea regia</i>	Royal palm	6
12	St	<i>Schleichera trijuga</i>	kusum	4
			TOTAL	62

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
13th 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 14th 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 JOYAKUKAS LIFESTYLE DEVELOPERS PRIVATE LIMITED

Permission is granted for the erection / re-erection / addition / alteration / demolition of building / hut / digging of well / Residential Flats (specify the construction) in building

No. or near the building No. in Survey No

42/1, Vazhakkala Village Taluk Kanayannur

District Eranakulam 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
- (2) STEPS WILL BE TAKEN WITHOUT NOTICE
- (3) 2). PROVIDE RAINWATER HARVESTING
- (4) TANK & WASTE DISPOSAL UNIT
- 3). BUILDING CONSTRUCTION SHOULD BE
- UNDER PROVISIONS OF KMBR 1999

PF: - 1,60,00,000/-

Rec. no: 1400055 Dtd 16/2/12

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

This permit already issued

Plinth area of the building is as follows:-

Basement floor 2 Area - 4728 m²

Basement floor 1 Area - 4728 m²

Ground Floor Area - 2720 m²

First Floor Area - 2720 m²

Second Floor Area - 2720 m²

Typical Floor Area - 31020 m² (1410x22)

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 under these 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.

ANNEXURE VII

No Objection Certificate from Fire and Rescue Service

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 3rd 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 577549

GOVERNMENT OF KERALA

ANNEXURE VIII

The Consent to 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: customer@joyalukkas.com Website: www.joyalukkas.com
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 ³ /d
19	Activity	Construction of 176 apartments in B1 + B2 + G + 24 floors with total built up area 45091.38 m ² 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.
- 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 sullage 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 sullage 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 $0.2 \sqrt{kVA}$ 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 curtain 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	:	THRIKKAKARA
DISTRICT	:	ERNAKULAM
SURVEY NO.	:	42/1
BLOCK NO.	:	9

Approved site plan

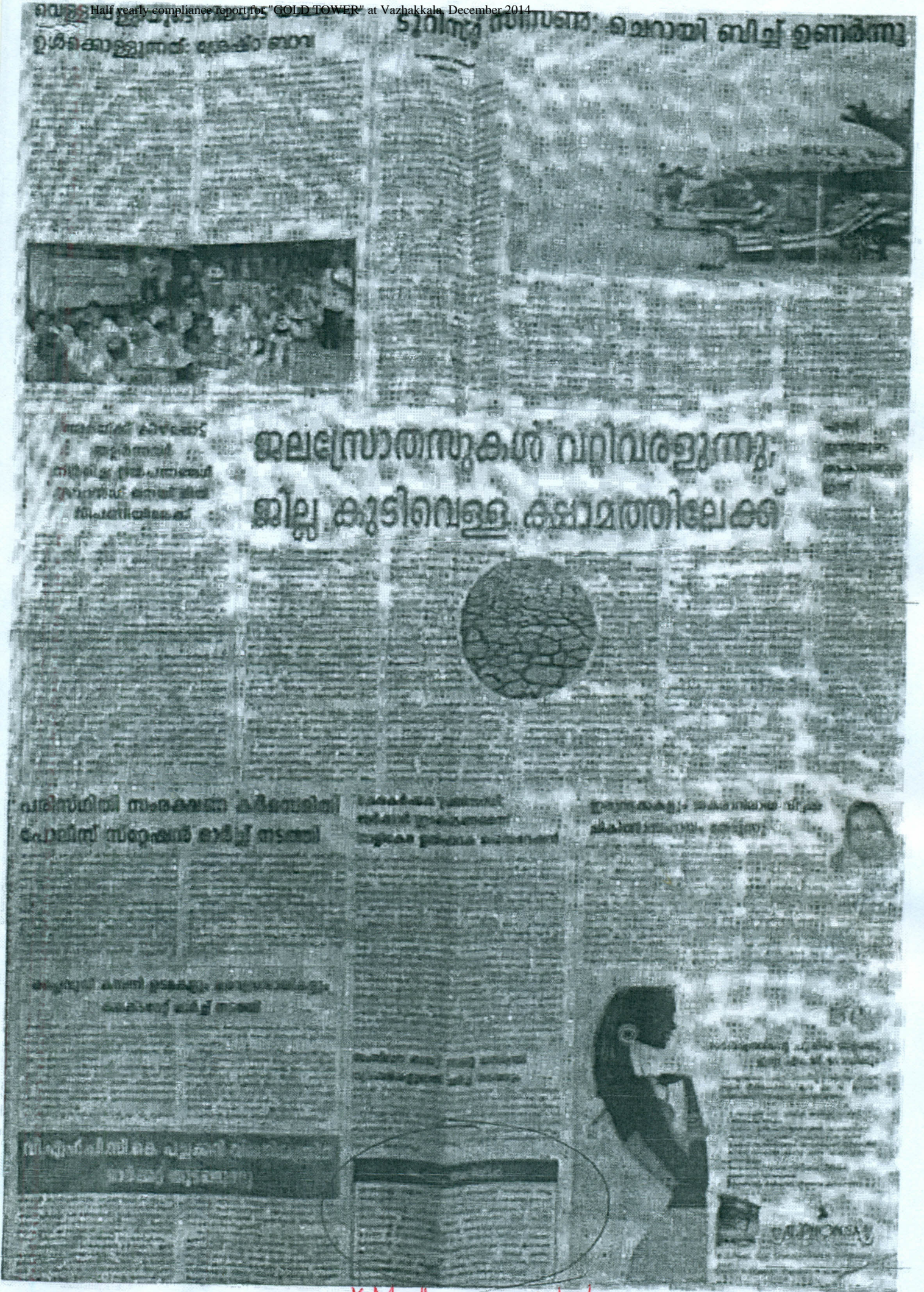
 Member Secretary



NAME AND ADDRESS OF THE APPLICANT
M/s JOY ALUKKAS LIFESTYLE DEVELOPERS P 2/144, VAZHAKKALA, KOCHI-30

ANNEXURE IX

Copies of News Paper Advertisements made on granting of EC



* Madhyamam 14/12/12

സംസ്ഥാന ബജറ്റ് നാളെ ധനമന്ത്രി
 വ്യാപാരികളുമായി ചർച്ച നടത്തും

[illegible]

പൊതു അറിയിപ്പ്

[illegible]

* Madhyanam 14/12/12

FICN Case: First Accused to Turn Approver

Probe to Cross State Boundaries

Financial Case Moves to the Forefront

The Financial Case has moved to the forefront of the investigation into the FICN case. The probe is now expected to cross state boundaries as the accused is being treated as an approver.

FLIGHT DELAYED

The flight of the accused was delayed due to technical problems. The probe is now expected to cross state boundaries as the accused is being treated as an approver.



A view of the building where the accused is being held, showing the entrance and the flag.

Declining Sex Ratio to be Tackled

The declining sex ratio in the region is a major concern. The government is taking steps to tackle this issue by providing better facilities and services to women and children.

Ex-Customs Official Held for Graft

The ex-customs official was held for graft after a long investigation. The probe is now expected to cross state boundaries as the accused is being treated as an approver.

The ex-customs official was held for graft after a long investigation. The probe is now expected to cross state boundaries as the accused is being treated as an approver.

Training Programme

A training programme is being conducted for the staff. The programme aims to improve the skills and knowledge of the staff in various areas.

NOTICE

NOTICE: The following notice is being issued for the public information. The notice is regarding the upcoming election and the candidates who are running for the office.

COMPENSATION CASE: HC RAPS MINISTRY

The High Court has ruled against the Ministry in the compensation case. The court has ordered the Ministry to pay compensation to the affected parties.

The High Court has ruled against the Ministry in the compensation case. The court has ordered the Ministry to pay compensation to the affected parties.

Bank Staffer Gets 18-yr Jail Term

A bank staffer has been sentenced to 18 years in jail for his involvement in a fraud case. The court has found him guilty of the charges and has ordered the maximum sentence.

KERALA PHARMACEUTICALS ASSOCIATION
MANAGEMENT ASSOCIATION
The association is holding a meeting on the 15th of December. The meeting is to discuss the issues related to the pharmaceutical industry in Kerala.

CITY DECOR
The company is offering a wide range of decorative items for homes and offices. The items are of high quality and are available at a discounted price.

Photo Exhibition from Today

A photo exhibition is being held from today. The exhibition features a collection of photographs that depict the life and work of a famous artist.

THE SREENARAYANATRUSTS POSTER DANCES KOLLAM CIRCUIT

The Sreenarayana Trusts are organizing a poster dance competition in the Kollam circuit. The competition is open to all students and is aimed at promoting the art of poster dance.

WANTED
The following individuals are wanted for questioning. They are involved in a criminal case and are being sought by the police.

CENTRAL BOARD OF SECONDARY EDUCATION
The board is conducting an examination for the students. The examination is to be held on the 20th of December.

WOMEN'S EMPOWERMENT
The organization is conducting a training programme for women. The programme aims to empower women and help them to achieve their goals.

*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 Emakulam (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, 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.

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, Emakulam 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

NOTICE

STRIKE BY BANK EMPLOYEES ON 20TH 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 (AIBEA), Bank Employees' Federation of India (BEFI) and All India Bank Officers' Association (AIBOA) have given a call to their members for a strike on 20th 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 20th 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

TE MEDICAL COLLEGE ENT ASSOCIATION

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

TO POST GRADUATE DIPLOMA COURSES 2013

le candidates for the All India Entrance test to be Graduate Medical Degree/Diploma courses for the member colleges of the Kerala Private Medical PMOMA. Prospectus and Application can be had onwards. Last date for receipt of application is www.kpmcma.net.

if any passed by appropriate Authorities/Courts of Law.
Secretary, KPMOMA

X Times of India 14/12/2012

ANNEXURE X

Communication to SEIAA on News Paper Advertisements

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

Joyalukkas
World's favourite jeweller

17th 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



Toll Free No.: 1800-425-99-5-99


[HOME](#)
[ABOUT US](#)
[PROJECTS](#)
[MEDIA CENTRE](#)
[CAREER](#)
[CONTACT US](#)



[PROJECT LIVE STATUS](#)
[WALK THROUGH](#)
[DOWNLOAD BROCHURE](#)
[DOWNLOAD APPLICATION FORM](#)
[HELP DESK](#)
[HOME LOANS](#)
[QUICK CONTACTS](#)

OUR PROJECTS

GOLD TOWER >>



Gold Tower
Kochi
The Gold Standard



Gold Tower
Kochi
The Gold Standard



Gold Tower
Kochi
The Gold Standard

Joyalukkas Lifestyle Developers envisages a new dawn in the real estate industry with its vision to deliver lifestyle apartments and villas that are comparable to the best residential projects across the globe. Its pilot project Gold Tower consolidates its foundation as a premium developer with features that bear the stamp of universal excellence. Gold Tower is coming up in Vazhakala, at a prime location that is just a stone's throw away from all conveniences.

[View All](#)



Support



Home Buying Tips



TS

Joyalukkas Exchange
Your favourite money exchange

JOLLY SILKS
The new fashion destination

MALL OF JOY

Joyalukkas Foundation

OUR JOY

ABOUT US

Our Profile
Our Vision / Mission
Quality Policy
Advantages
CSR Initiatives
Disclaimer
Privacy Policy
Copyright
Environmental Clearance

MEDIA CENTRE

Photo Gallery
Video Gallery
3D Walkthrough
News
News Feeds
Press Ads

HELP DESK

NRI Faqs
Home Buying Tips

SUPPORT

Home Care Services
Home Loans
After Sales Services

CONTACTS

☎ 0484 2385035
☎ +91 94463 77771, 94463 77772, 94463 77773 (INDIA)
☎ +971 561183847, +971 561183848, +971 561183849 (UAE)
✉ sales@joyalukkasdevelopers.com
🏠 Joyalukkas Lifestyle Developers Pvt. Ltd.,
A & B, Peevees Triton,
Marine Drive, Kochi - 682 031.

ANNEXURE XIII

Environmnetal Monitoring Results



ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

Page 1 of 2

AMBIENT AIR QUALITY MONITORING REPORT

Report No. : 6265/EEL/10/kiteco/AQ-132
Issue Date : October 25, 2014

Issued To:
M/s. KITCO Ltd,
Femith's, Puthiya Road,
N.H.Bye Pass,P.B.No -4407,
Vennala,Kochi- 682028.

Customer ref.: Residential cum Commercial Project at Vazhakkala village,Ernakulam.

1.a. Frequency and Duration of Sampling

Parameters	Sampling Duration and Frequency
Particulate Matter of size less than 10 μm (pm_{10})	Continuous Sampling for 24 hrs
Particulate Matter of size less than 2.5 μm ($\text{pm}_{2.5}$)	
Sulphur Dioxide(SO_2)	continuous sampling for 8 hrs (three 8 hour samples in 24 hours)
Nitrogen Dioxide(NO_2)	
Carbon Monoxide(CO)	

1.b. Sampling and Analysis Techniques

Parameters	Technique	Technical protocol	Minimum detection Limit
Particulate Matter of size less than 10 μm (pm_{10})	Gravimetric Method	CPCB Guideline	1 $\mu\text{g}/\text{m}^3$
Particulate Matter of size less than 2.5 μm ($\text{pm}_{2.5}$)	Gravimetric Method	CPCB Guideline	3 $\mu\text{g}/\text{m}^3$
Sulphur Dioxide(SO_2)	Improved west and Gaeke	IS 5182 Part 2	5 $\mu\text{g}/\text{m}^3$
Nitrogen Dioxide(NO_2)	Modified Jacob and Hochheiser	IS 5182 Part 6	5 $\mu\text{g}/\text{m}^3$
Carbon Monoxide(CO)	Non Dispersive Infrared Spectroscopy	IS 5182 Part 10	0.1 mg/m^3

Laboratory
recognitions/
approvals

{ Ministry of Environment & Forests (MoEF), Govt. of India
{ Kerala State Pollution Control Board (KSPCB) 'A' grade

Cont---P/2



ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
 Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

Report No. : 6265/EEL/10/kiteo/AQ-132
 Issue Date : October 25, 2014

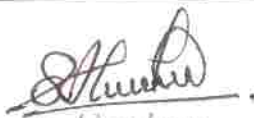
Page 2 of 2

2.a Details of Locations

Location Code	Location Name	GPS Coordinates	Classification	Date of Monitoring
A ₁	Construction Site for Joy Alukkas Housing project. Vazhakala.	N 09' 59.609" E 76°19.494"	Commercial Area	21.10.14 to 22.10.14

2.b. Presentation of Results

Parameters	Unit	intervals	A ₁	NAAQ Standards	
				Eco sensitive Areas	Other Area
Particulate Matter of size less than 10 μm (pm ₁₀)	$\mu\text{g}/\text{m}^3$	I	76.6	100	100
Particulate Matter of size less than 2.5 μm (pm _{2.5})	$\mu\text{g}/\text{m}^3$	I	25.8	60	60
Sulphur Dioxide(SO ₂)	$\mu\text{g}/\text{m}^3$	I	10.3	80	80
		II	9.4		
		III	8.9		
Nitrogen Dioxide(NO _x)	$\mu\text{g}/\text{m}^3$	I	8.2	80	80
		II	7.4		
		III	7.1		
Carbon Monoxide(CO)	mg/m^3	I	0.6	2	2
		II	0.5		
		III	0.3		


 Susan Abraham
 Authorised Signatory



Laboratory recognitions/ approvals { Ministry of Environment & Forests (MoEF), Govt. of India
 Kerala State Pollution Control Board (KSPCB) 'A' grade



ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
 Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

TEST REPORT

Report No. : 1495/EEL/09/194

Issued To:

Page 1 of 1

Issue Date : October 06, 2014

M/s. KITCO Ltd,
 Femith's, P.B. No:4407
 Puthiya Road, NH Bye Pass,
 Vennala, Kochi-28.

Customer ref. : Work Order No.4264: DP 756: EE: 2014 dt. 26.09.2014

Sample Particulars: Water sample

Sample receiving date: September 29, 2014

Lab identification code: NW/09/194

Analysis starting date: September 29, 2014

Analysis completion date: October 06, 2014

GPS Co-ordinate : N 10° 00.663, E 76° 19.464

Quantity of sample received: 1L

Description of sample by the customer: Water sample
 (Ground water) (Construction site for 'Joy Alukkas
 Housing project', Vazhakkala)

Tests required: For the parameters listed below,

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result
1.	pH at 30°C	---	Cl.2 of IS 3025 (Pt 11):1983, Reaff. 2006	7.22
2.	Odour	---	IS 3025 (Pt 5):1983, Reaff. 2006	Agreeable
3.	Colour	Hazen Units	Cl. 2 of IS 3025 (Pt 4):1983, Reaff. 2006	10
4.	Turbidity	NTU	IS 3025 (Pt 10):1984, Reaff. 2006	4.10
5.	Total Dissolved Solids	mg/l	IS 3025(Pt 16):1984, Reaff. 2006	4752
6.	Total Hardness as CaCO ₃	mg/l	Cl. 2 of IS 3025(Pt 21):1983, Reaff. 2002	1666
7.	Chloride as Cl	mg/l	Cl. 2 of IS 3025(Pt 32):1988, Reaff. 2009	2201.45
8.	Sulphate as SO ₄	mg/l	Cl. 4 of IS 3025(Pt 24):1986, Reaff. 2009	172.68
9.	Alkalinity as CaCO ₃	mg/l	Cl. 8.1 of IS 3025(Pt 23):1986, Reaff. 2009	122.58
10.	Iron as Fe	mg/l	Cl. 6 of IS 3025 (Pt 53):2003, Reaff. 2009	0.40
11.	Calcium as Ca	mg/l	Cl. 5 of IS 3025(Pt 40):1991, Reaff. 2009	392.78
12.	Magnesium as Mg	mg/l	Cl. 6 of IS 3025(Pt 46):1994, Reaff. 2009	166.70
13.	Residual Chlorine	mg/l	Cl. 4 of IS 3025 (Pt 26):1986, Reaff. 2009	BDL(MDL-0.1)
14.	Silica as SiO ₂	mg/l	Cl. 3 of IS 3025 (Pt 35):1988, Reaff. 2009	52.90
15.	Phosphate as PO ₄ ²⁻	mg/l	Cl. 4 of IS 3025 (Pt 31):1988, Reaff. 2009	0.12
16.	Conductivity @ 25°C	μS	IS 3025 (Pt 14):1984, Reaff. 2006	7900

Note:- BDL: Below Detection Limit

MDL: Minimum Detection Limit


 Susan Abraham
 Quality Manager

Authorized Signatory

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Laboratory
 recognitions/
 approvals

{ Ministry of Environment & Forests (MoEF), Govt. of India
 { Kerala State Pollution Control Board (KSPCB) 'A' grade





ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

TEST REPORT

Page 1 of 1

Report No. : 1573/EEL/10/061

Issued To:

Issue Date : October 28, 2014

M/s. KITCO Ltd,
Femith's, P.B. No:4407
Puthiya Road, NH Bye Pass,
Vennala, Kochi-28.

Customer ref. : Work Order No.4264: DP 756: EE: 2014 dt. 26.09.2014

Sample Particulars: Water sample

Sample receiving date: October 21, 2014

Lab identification code: NW/10/061

Analysis starting date: October 21, 2014

Analysis completion date: October 28, 2014

G.S Co-ordinate : N 10° 00.663, E 76° 19.464

Quantity of sample received: 1L

Description of sample by the customer: Water sample
(Ground water) (Construction site for 'Joy Alukkas
Housing project', Vazhakkala)

Tests required: For the parameters listed below,

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result
1.	pH at 31°C	---	Cl.2 of IS 3025 (Pt 11):1983, Reaff. 2006	6.71
2.	Odour	---	IS 3025 (Pt 5):1983, Reaff. 2006	Agreeable
3.	Colour	Hazen Units	Cl. 2 of IS 3025 (Pt 4):1983, Reaff. 2006	3.0
4.	Turbidity	NTU	IS 3025 (Pt 10):1984, Reaff. 2006	BDL(MDL-0.5)
5.	Total Dissolved Solids	mg/l	IS 3025(Pt 16):1984, Reaff. 2006	150
6.	Total Hardness as CaCO ₃	mg/l	Cl. 2 of IS 3025(Pt 21):1983, Reaff. 2002	82.72
7.	Chloride as Cl	mg/l	Cl. 2 of IS 3025(Pt 32):1988, Reaff. 2009	22.34
8.	Sulphate as SO ₄	mg/l	Cl. 4 of IS 3025(Pt 24):1986, Reaff. 2009	22.96
9.	Alkalinity as CaCO ₃	mg/l	Cl. 8.1 of IS 3025(Pt 23):1986, Reaff. 2009	73.26
10.	Iron as Fe	mg/l	Cl. 6 of IS 3025 (Pt 53):2003, Reaff. 2009	0.03
11.	Calcium as Ca	mg/l	Cl. 5 of IS 3025(Pt 40):1991, Reaff. 2009	28.63
12.	Magnesium as Mg	mg/l	Cl. 6 of IS 3025(Pt 46):1994, Reaff. 2009	2.74
13.	Residual Chlorine	mg/l	Cl. 4 of IS 3025 (Pt 26):1986, Reaff. 2009	BDL(MDL-0.1)
14.	Silica as SiO ₂	mg/l	Cl. 3 of IS 3025 (Pt 35):1988, Reaff. 2009	4.08
15.	Phosphate as PO ₄	mg/l	Cl. 4 of IS 3025 (Pt 31):1988, Reaff. 2009	BDL(MDL-0.05)
16.	Conductivity @ 25°C	µS	IS 3025 (Pt 14):1984, Reaff. 2006	260

Note:- BDL: Below Detection Limit

MDL: Minimum Detection Limit


Susan Abraham
Quality Manager

Authorized Signatory

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Laboratory
recognitions/
approvals

{ Ministry of Environment & Forests (MoEF), Govt. of India
Kerala State Pollution Control Board (KSPCB) 'A' grade





ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
Web : www.envirodesigns.in, E-mail : lab@envirodesigns.in, envirodesignsecolabs@gmail.com

TEST REPORT

Page 1 of 1

Report No. : 1676/EEL/11/060
Issue Date : November 21, 2014

Issued To:

M/s. KITCO Ltd,
Femith's, P.B. No:4407
Puthiya Road, NH Bye Pass,
Vennala, Kochi-28.

Customer ref. : Work Order No.4264; DP 756; EE: 2014 dt. 26.09.2014

Sample Particulars: Water sample

Sample receiving date: November 14, 2014
Analysis starting date: November 14, 2014
GPS Co-ordinate : N 10° 00.663, E 76°19.464
Quantity of sample received: 1L

Lab identification code: NW/11/060

Analysis completion date: November 21, 2014

Description of sample by the customer: Ground Water sample
(Bore well water) (Construction site for 'Joy Alukkas
Housing project', Vazhakkala)

Tests required: For the parameters listed below,

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result
1.	pH at 32°C	---	Cl.2 of IS 3025 (Pt 11):1983, Reaff. 2006	6.60
2.	Odour	---	IS 3025 (Pt 5):1983, Reaff. 2006	Agreeable
3.	Colour	Hazen Units	Cl. 2 of IS 3025 (Pt 4):1983, Reaff. 2006	3.0
4.	Turbidity	NTU	IS 3025 (Pt 10):1984, Reaff. 2006	BDL(MDL-0.5)
5.	Total Dissolved Solids	mg/l	IS 3025(Pt 16):1984, Reaff. 2006	140
6.	Total Hardness as CaCO ₃	mg/l	Cl. 2 of IS 3025(Pt 21):1983, Reaff. 2002	75.48
7.	Chloride as Cl	mg/l	Cl. 2 of IS 3025(Pt 32):1988, Reaff. 2009	21.21
8.	Sulphate as SO ₄	mg/l	Cl. 4 of IS 3025(Pt 24):1986, Reaff. 2009	21.85
9.	Alkalinity as CaCO ₃	mg/l	Cl. 8.1 of IS 3025(Pt 23):1986, Reaff. 2009	64.64
10.	Iron as Fe	mg/l	Cl. 6 of IS 3025 (Pt 53):2003, Reaff. 2009	0.05
11.	Calcium as Ca	mg/l	Cl. 5 of IS 3025(Pt 40):1991, Reaff. 2009	27.39
12.	Magnesium as Mg	mg/l	Cl. 6 of IS 3025(Pt 46):1994, Reaff. 2009	1.74
13.	Residual Chlorine	mg/l	Cl. 4 of IS 3025 (Pt 26):1986, Reaff. 2009	BDL(MDL-0.1)
14.	Silica as SiO ₂	mg/l	Cl. 3 of IS 3025 (Pt 35):1988, Reaff. 2009	4.69
15.	Phosphate as PO ₄	mg/l	Cl. 4 of IS 3025 (Pt 31):1988, Reaff. 2009	BDL(MDL-0.05)
16.	Conductivity @ 25°C	μS	IS 3025 (Pt 14):1984, Reaff. 2006	240

Note:- BDL: Below Detection Limit

MDL: Minimum Detection Limit


Susan Abraham
Quality Manager

Authorized Signatory



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Laboratory
recognitions/
approvals

{ Ministry of Environment & Forests (MoEF), Govt. of India
Kerala State Pollution Control Board (KSPCB) 'A' grade



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Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
 Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

Page 1 of 2

NOISE LEVEL MONITORING REPORT

Report No. : 1496/EEL/09/kitco/SD-195
 Issue Date : October 04, 2014

Issued To:
M/s. KITCO Ltd,
Femith's, Puthiya Road,
N.H.Bye Pass,P.B.No -4407,
Vennala,Kochi- 682028.

Customer ref.: Residential cum Commercial Project at Vazhakkala village,Ernakulam.

Details of Monitoring Location

Location code	Name of location	GPS Coordinates	Classification	Description of location	Date of Monitoring
N ₀	Construction Site for Joy Alukkas Housing project,Vazhakala.	N 10°00.75" E 076°19.461"	Commercial Area	Public place in town area	29.09.2014 to 30.09.2014

Presentation of Results

Location Code	Noise level values dB (A)						CPCB Standard Leq dB (A)	
	L ₁₀	L ₅₀	L ₉₀	L _{DN}	L _{Day}	L _{Night}	Day	Night
N ₀	73.4	61.1	42.2	68.6	70.3	44.9	65	55

Cont---P/2



Laboratory recognitions/ approvals { Ministry of Environment & Forests (MoEF), Govt. of India
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Report No. : 1496/EEL/09/kitco/SD-195
Issue Date : October 04, 2014

Page 2 of 2

Sl No.	Hourly Interval	Hourly Leq Values at N ₀
1	10.00-11.00	72.4
2	11.00-12.00	72.5
3	12.00-13.00	72.5
4	13.00-14.00	70.4
5	14.00-15.00	70.8
6	15.00-16.00	70.7
7	16.00-17.00	72.2
8	17.00-18.00	72.8
9	18.00-19.00	72.9
10	19.00-20.00	68.4
11	20.00-21.00	62.6
12	21.00-22.00	57.0
13	22.00-23.00	47.3
14	23.00-00.00	44.0
15	00.00-01.00	43.4
16	01.00-02.00	43.3
17	02.00-03.00	43.4
18	03.00-04.00	44.2
19	04.00-05.00	43.8
20	05.00-06.00	47.0
21	06.00-07.00	50.0
22	07.00-08.00	57.5
23	08.00-09.00	60.5
24	09.00-10.00	72.9

Susan Abraham
Quality Manager

Authorised Signatory



Laboratory recognitions/ approvals { Ministry of Environment & Forests (MoEF), Govt. of India
Kerala State Pollution Control Board (KSPCB) 'A' grade



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Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

Page 1 of 2

NOISE LEVEL MONITORING REPORT

Report No. : 6266/EEL/10/kitco/SD-133
Issue Date : October 25, 2014

Issued To:
M/s. KITCO Ltd,
Femith's, Puthiya Road,
N.H.Bye Pass,P.B.No -4407,
Vennala,Kochi- 682028.

Customer ref.: Residential cum Commercial Project at Vazhakkala village,Ernakulam.

Details of Monitoring Location

Location code	Name of location	GPS Coordinates	Classification	Description of location	Date of Monitoring
N ₀	Construction Site for Joy Alukkas Housing project.Vazhakala.	N 10°00.75' E 076°19.461"	Commercial Area	Public place in town area	21.10.2014 to 22.10.2014

Presentation of Results

Location Code	Noise level values dB (A)						CPCB Standard Leq dB (A)	
	L ₁₀	L ₅₀	L ₉₀	L _{DN}	L _{Day}	L _{Night}	Day	Night
N ₀	69.8	61	42.3	64.9	66.6	47.4	65	55

Cont---P/2



Laboratory
recognitions/
approvals

{ Ministry of Environment & Forests (MoEF), Govt. of India
Kerala State Pollution Control Board (KSPCB) 'A' grade



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 Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

Report No. : 6266/EEL/10/kitco/SD-133
 Issue Date : October 25, 2014

Page 2 of 2

Sl No.	Hourly Interval	Hourly Leq Values at N ₀
1	10.00-11.00	66.8
2	11.00-12.00	68.0
3	12.00-13.00	67.9
4	13.00-14.00	66.3
5	14.00-15.00	67.5
6	15.00-16.00	67.6
7	16.00-17.00	64.2
8	17.00-18.00	69.4
9	18.00-19.00	69.4
10	19.00-20.00	69.6
11	20.00-21.00	63.7
12	21.00-22.00	63.7
13	22.00-23.00	51.1
14	23.00-00.00	45.4
15	00.00-01.00	45.2
16	01.00-02.00	43.7
17	02.00-03.00	44.1
18	03.00-04.00	45.0
19	04.00-05.00	43.6
20	05.00-06.00	51.3
21	06.00-07.00	50.7
22	07.00-08.00	58.7
23	08.00-09.00	59.3
24	09.00-10.00	66.6


 Susan Abraham
 Quality Manager
 Authorised Signatory



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Page 1 of 2

NOISE LEVEL MONITORING REPORT

Report No. : 6899/EEL/10/kitco/SD-032
Issue Date : November 17, 2014

Issued To:
M/s. KITCO Ltd,
Femith's, Puthiya Road,
N.H.Bye Pass,P.B.No -4407,
Vennala,Kochi- 682028.

Customer ref.: Residential cum Commercial Project at Vazhakkala village,Ernakulam.

Details of Monitoring Location

Location code	Name of location	GPS Coordinates	Classification	Description of location	Date of Monitoring
N ₀	Construction Site for Joy Alukkas Housing project.Vazhakala.	N 10°00.75" E 076°19.461"	Commercial Area	Public place in town area	14.11.2014 to 15.11.2014

Presentation of Results

Location Code	Noise level values dB (A)						CPCB Standard Leq dB (A)	
	L ₁₀	L ₅₀	L ₉₀	L _{DN}	L _{Day}	L _{Night}	Day	Night
N ₀	69.9	60.8	43.4	65.0	66.7	47.4	65	55

Cont---P/2



Laboratory recognitions/ approvals: { Ministry of Environment & Forests (MoEF), Govt. of India
Kerala State Pollution Control Board (KSPCB) 'A' grade



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 Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

Report No. : 6899/EEL/11/kitco/SD-032
 Issue Date : November 17, 2014

Page 2 of 2

Sl No.	Hourly Interval	Hourly Leq Values at N_0
1	10.00-11.00	66.7
2	11.00-12.00	67.7
3	12.00-13.00	67.1
4	13.00-14.00	67.2
5	14.00-15.00	67.4
6	15.00-16.00	67.4
7	16.00-17.00	64.1
8	17.00-18.00	69.5
9	18.00-19.00	69.8
10	19.00-20.00	70.1
11	20.00-21.00	64.3
12	21.00-22.00	63.6
13	22.00-23.00	50.9
14	23.00-00.00	45.3
15	00.00-01.00	44.6
16	01.00-02.00	45.3
17	02.00-03.00	45.8
18	03.00-04.00	44.8
19	04.00-05.00	45.1
20	05.00-06.00	50.8
21	06.00-07.00	50.0
22	07.00-08.00	58.8
23	08.00-09.00	59.4
24	09.00-10.00	66.9


 Susan Abraham
 Quality Manager

Authorised Signatory

- Result relate to the sample tested.
- This test report shall not be reproduced except in full, without the written approval of the laboratory.



Laboratory recognitions/ approvals { Ministry of Environment & Forests (MoEF), Govt. of India
 Kerala State Pollution Control Board (KSPCB) 'A' grade

ANNEXURE XIV

The Affidavit produced by the Proponent



കേരളം കേരल 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.

JATSON JOSEPH
Notary Public for Kerala
Registration No. 10000



Alukkas Varghese Joy
Alukkas Varghese Joy

34646
NO. 34646 Date 25-11-2014

LISSY SEBASTIAN
CJM Court Vazhakkala

*Joy Alukkas Lifestyle Developers
Pvt Ltd, Ernakulam*

