

HALF YEARLY COMPLIANCE REPORT

**M/S. CALICUT LANDMARK
BUILDERS & DEVELOPERS (INDIA)
PVT. LTD.**

OCTOBER 2023 – MARCH 2024

CONSTRUCTION OF TOWNSHIP PROJECT

AT

**SURVEY NO. 27/1, 30/4c, 31/4, 7,8,9, 32/4 351B,
OLAVANNA PANCHAYATH, DISTRICT CALICUT, KERALA**



An ISO 9001:2008 COMPANY



Calicut Landmark Builders & Developers [India] Pvt. Ltd.
Landmark World, NH 17 Bypass, Kozhikode - 673014, Kerala, India. Tel: +91 495 2436600, 2436601

Dt.27-06-2024

The Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forests & Climate Change,
4th Floor, E& F Wing, Kendriya Sadan,
Koramangala, Bangalore - 560034

Ref. No.1 :- 1193/EC2/2018/SEIAA Dt. 12-03-2020

Ref. No.2 :- Environmental Clearance No. 44/2020

Sub :- Environment Clearance – Landmark Trade Centre of M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd. at Survey Nos. 27/1, 30/4c, 31/4, 7, 8, 9, 32/4, 351b Pantheerankavu Village, Kozhikode Taluk & District, Kerala.– Submission of Compliance Report – Second half - reg.

Respected Sir,

M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd.(Landmark Trade Centre) was accorded Environmental Clearance on 12-03-2020 for built up area of **81,589 sq.m** vide EC No. – **44/2020** by State Environment Impact Assessment Authority, Kerala. The EC was obtained for the construction of mixed use township. As per the condition stipulated in EC order, the half yearly compliance report of **Second half** (October 2023 – March 2024) to the specific conditions and standard conditions of the Environment Clearance is enclosed.

Thanking you,

Yours respectfully,

For M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd.

(Project Head)



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**POINT-WISE COMPLIANCE OF STIPULATED
ENVIRONMENTAL CONDITIONS/ SAFEGUARDS IN THE
ENVIRONMENTAL CLEARANCE No. 1193/EC2/2018/SEIAA
dated 12.03.2020**

I . SPECIFIC CONDITIONS

Sl. No.	Conditions	Status of Compliance
01	In the SEIAA meeting held on 17th January 2020, after the personal hearing, proponent has given an undertaking and he shall scrupulously follow his undertaking during the construction and operation phase of the project.	The Project proponent has scrupulously follows the undertaking submitted at SEIAA.
02	Proponent shall not violate any rules and regulations under EIA Notification 2006 as well as other rules and regulations of Govt. Kerala applicable to this project.	The PP did not violate any rules and regulations under EIA Notification 2006 and regulations and rules of Govt. of Kerala such as Kerala Panchayat Building Rules.
03	Proponent shall carry out all ameliorative measures to rectify the environmental damage caused if any, in the project region, due to present construction activity, as suggested by SEAC to the best satisfaction of SEAC.	The project proponent is in construction phase of the proposed building. However the PP has developed open well and drinking water facility at Pantheerankavu, relief aid during covid pandemic, social forestry activities etc.
04	During the pendency of EC, SEAC shall make an inspection and the proponent shall abide by the conditions if any suggested.	The SEAC has conducted site inspection during the pendency of EC and suggested conditions to be followed by the project proponent.
05	Activities relating to Corporate Environmental Responsibilities amounting to Rs.7 crores shall be carried out leading to protection and promotion of environment	The project proponent has started to implement various CER activities in connection with the construction project. The PP has spent more than

	including waste management in the project district as per OM F.No.22-65/2017-IA-III dt.01.05.2018 of MOEF& CC as directed by Director, Directorate of Environment & Climate Change and supervised by District Collector.	1 crore for various activities in the community. The activities were sectors like education, Environment, Sports, Health and infrastructure development.
06	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II(I) of GoI, MoEF dt. 22.09.2008).	The Project proponent has constructed a good labour camp with all necessary facilities near to the project site. The PP has provided fuel for cooking, hygienic toilets, safe drinking water, first aid room etc. The housing is in form of temporary structure to be demolished after completion of project. The facilities in the labour camp is provided at Annexure No.1.

II. GREEN CONDITIONS

Sl. No.	Conditions	Status of Compliance
01	Adequate rain water harvesting facilities shall be arranged for.	The project proponent has provided rain water harvesting tanks in tune with the relevant rules of building construction in the completed building. The PP has constructed rain water harvesting tanks for the construction of buildings which are under progress in the project site.
02	Technology and capacity of the STP to be indicated with discharge point (if any) of the	The PP has installed STP in the completed building. The technology of

	treated effluent.	STP is MBBR and its capacity is 70 KLD. The treated water is being reused for flushing, gardening and construction purposes. No treated water is being discharged. The photograph of STP is attached as Annexure No.2.
03	Effluent water not conforming to specifications shall not be let out to water bodies.	The project proponent uses the treated water from the STP for construction, gardening etc. Therefore there is no treated water is letting out to any water bodies. However the PP monitors the water quality of treated water and assures the parameters are within the limits.
04	Maximum reuse of grey water for toilet flushing and gardening and construction work shall be ensured.	One of the proposed buildings has completed, the treated water from the STP in the completed building is being used for flushing, gardening and construction purposes.
05	Dual plumbing for flushing shall be done.	The P P has installed dual plumbing line in the completed building and will be installed in the buildings which are under construction stage. The pan of dual plumbing is attached as Annexure No.3.
06	Provisions for disposal of e-wastes, Solid wastes, non-biodegradables and separate parking facility for the buildings shall be provided.	The PP has earmarked area for collection and disposal of all type of wastes generated in the completed building and the buildings which are under construction.
07	Generation of solar energy to be mandatory for own use and/or to be provided to the	The PP has installed solar panels with the capacity of 5 KVA and purchased

	grid.	solar panels with capacity of 5 KVA for the building under construction. The PP will install more solar panels for the buildings during its operational period.
08	There shall be no compromise on safety conditions and facilities to be provided by the project proponent, which shall be ensured for occupation, regularization or consent to operate.	The PP has obtained NOC from fire and rescue services. To enhance safety of labours working in the construction area, the PP has installed various safety equipment and ensured that all labours are wearing personal Protective Equipment during the time of construction. All needed firefighting equipment are installed in the building where in construction activities are completed. The safety features provided in the project site is attached as Annexure No.4.

III - SPECIFIC CONDITIONS: CONSTRUCTION PHASE:-

Sl. No.	Conditions	Status of Compliance
1	“Consent for Establishment” shall be obtained from Kerala State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.	“Consent for Establishment” already obtained from Kerala State Pollution Control Board under Air and Water Act vide consent file number PCB/KKD/DO/ICE-EXP/03/2022 dated 23/02/2022 and valid upto 22/02/2027. A copy of the same has submitted at Ministry before start of construction. A copy of Consent for Establishment is enclosed as

		Annexure No.5.
2	Provision shall be made for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The project proponent has constructed hygienic toilets, safe drinking water, fuel for cooking, First Aid Room, etc within the project. The housing are in the form of temporary structures to be removed after the completion of the project. The photographs of the same is attached as Annexure.
3	A first aid room will be provided in the project both during construction and operation of the project.	First Aid room has provided in the construction site and it will be kept for operation phase. Details is enclosed as Annexure No.6.
4	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	The top soil excavated is being stored within the project site for use in landscape during the later stages of the development. Details is enclosed as Annexure No.7.
5	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Precautions was taken while disposing muck during construction phase so it will not create any adverse effect on the neighboring communities.
6	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil and ground water samples were monitored, the parameters of samples are well within the limits. The copy of results of monitored samples is attached as Annexure.

7	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.	Construction spoils are used for leveling that it on the middle of the site. The hot mix plants are located away from the project site from which the mixes are prepared and transported to site and using mechanical devices and pavers for surfacing roads. So the contamination in this manner can be ruled out. Photographs of plant are enclosed as Annexure- 8 . Other construction wastes are being collected and keep in an earmarked area before disposing to the local vendor.
8	Any hazardous waste generated during construction phase, should be disposal off as per applicable rules and norms with necessary approval of the Kerala State Pollution Control Board.	The spent oil of D.G. sets are hazardous waste generated during construction phase which is being used as material for shuttering and excess is being disposed as per applicable Rules & norms to sold to approved recyclers.
9	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	The PP has been used the Diesel used the diesel available in the market for the DG set (2 nos 125 KVA. 1 nos 400 KVA with acoustic system). It is attached as Annexure No.9 .
10	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.	The quantity of diesel required during construction phase is very less and during operation phase therefore the diesel is being stored in a barrel at a safe place.

11	Vehicles hired for bringing construction material to the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	The project proponent has been ensured that vehicles hired for bringing construction material at site are in good condition and with valid “pollution under check” (PUC) certificate and conform to applicable air and noise emission standards and are operated only during non-peak hours. Pollution Under Check certificate for the vehicles are attached as Annexure No.10 .
12	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/KSPCB.	Ambient noise levels conforms to standards both during day and night. Incremental pollution loads on the ambient air and noise quality is being closely monitored in the project site. Adequate measures are being made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards. Noise levels & ambient air monitoring reports are attached as Annexure.
13	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations)	There is no Thermal power station within 100 Km vicinity to the project site. However the P P has been used fly ash included construction materials for the construction of buildings.

14	Ready mixed concrete must be used in building construction.	The PP is being used Ready mixed concrete only in the project site for the construction of building.
15	Storm water control and its re-use as per CGWB and BIS standards for various applications.	The PP has been following CGWB and BIS standards for storm water control and its re use for various application in the project site. The PP has installed Rain Water harvesting ponds and pits, waste water is being treated in a STP and treated water will be reused as much as possible in the project premises.
16	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices referred.	As part of water conservation, the Project Proponent has been using rain water, treated water form STP for the construction of building. Premixed concrete is being used for the construction of building.
17	Permission to draw ground water shall be obtained from the Competent Authority prior to construction / operation of the project.	The Project proponent has not constructed new wells in the project site.
18	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	To reduce water consumption, the PP has installed dual plumbing line for grey and black water. The waste water is being treated in the STP and reuses for various purposes such as gardening, flushing and construction of building.

19	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	The PP has used Water efficient fixtures in the completed building. The PP will be used water fixtures with water efficient ability in the buildings under construction.
20	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	The usage of glass will be minimal in the project site. High quality double glass with special reflective coating is being used in the building as part of energy conservation.
21	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Proper thermal insulation material for roof will be provided to reduce energy requirement and ECBC norms will be adhered to.
22	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be made mandatory for all air- conditioned spaces while it is aspirational for non- air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	To conserve energy by incorporative innovation inventions, ECBC norms will be adhered to.
23	The approval of the competent authority shall be obtained for structural safety of the building due to earthquake, adequacy of firefighting equipments, etc. as per National Building Code including protection measures form lightening etc.	The structural Designer has considered all these aspects prior to the designing and has done structural design. Approval has been taken from the Fire department vide letter No. F2-2336/2020 dated 16.03.2020 , F2- 2338/2020 dated 16.03.2020, F2-2339/2020 dated 16.03.2020,F2-2623 dated

		16.03.2020. The project proponent has obtained structural stability for the buildings under construction. Lightening Arrestors will be put up on the roof of the buildings. Fire NOC copy is enclosed as Annexure No.11 . The structural stability certificate is attached as Annexure No.12 .
24	Regular supervisions of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Proper barricading is done so as to avoid disturbance to the surroundings and supervisors are there to supervise the project work and control the impact on environment during construction phase.
25	Under the provisions of environment (protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environmental Clearance letter has been obtained from SEIAA Kerala 1193 / EC2/2018/SEIAA dated 12.03.2020. Copy of Environmental Clearance letter is enclosed as Annexure No.13 .

IV. Operation Phase

Sl. No.	Conditions	Status of Compliance
1	The installation of the Sewage treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the ministry before the project is commissioned for operation. Treated affluent emanating from STP shall be recycled/reused to the	The P P has installed STP in the completed project. The operation of STP has certified by an independent expert. To treat the waste water generated from the project site, the PP will install S T P to each building which is under construction. In case

	<p>maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Kerala State Pollution Control Board. Necessary measure should be made to mitigate the odor problem from STP.</p>	<p>treated effluent to be discharged separately during monsoon period, the effluent will conform to the norms of Kerala State Pollution Control Board. "Consent for Operate" already obtained from Kerala State Pollution Control Board under Air and Water Act Consent PCB/KKD/DO/ICE-EXP/03/2022 dated 23/02/2022 and valid up to 22/02/2027.</p>
2	<p>The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/insert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.</p>	<p>During operation phase solid waste generated will be properly collected & segregated. In completed building the PP has installed organic waste converter for food waste. Other waste is being disposed to Harithakarma sena and local vendors for recycling.</p>
3	<p>Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Kerala State Pollution control Board.</p>	<p>The P P has installed D G for the building wherein construction completed. The D G is enclosed type and it is being used only during power failure. The location of D G set and height of stack is decided in consultation with the district PCB.. In addition these DG sets will be run on low sulphur diesel only (Sulphur content < 0.25%). The PCB norms will be followed in installation and operation of DG sets in during operational phase of all buildings.</p>
4	<p>Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise</p>	<p>The proposed project is mainly residential, there will be no noise during night time during its</p>

	levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	operational phase. The noise level is within standards. The copy of result is attached as Annexure.
5	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	Green belt of adequate width and density being provided with local species along the periphery of the plot for the provide protection against particulates and noise.
6	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchments area during the monsoon period.	As part of natural drainage of rain water during the monsoons, the P P will be aided by provision of weep holes in the compound walls.
7	Rain water harvesting for roof-off and surface run- off, as plan submitted should be implemented. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rain water recharging should be kept at least 5 mts. above the highest ground water table.	Rain water Harvesting as per plan for roof run-off and surface run off will be implemented. Suspended matter, oil and grease will be removed by treatment before recharging with surface run-off. The bore well for recharge will be kept at least 5 mts. above the highest ground water table.
8	The ground water level and its quality should be monitored regularly in consultation with Central Ground water Authority.	The ground water level and its quality is being monitored regularly.
9	Traffic congestion near the entry and exist points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Parking will be completely internalized and no public space will be utilized. The PP will ensure that there is no traffic congestion at the entry and exit points.
10	A report on the energy conservation measures confirming to energy	Report on energy conservation measure conforming to energy

	conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology; R & U factors etc. and submit to the Ministry in three months time.	conservation norms finalized by BEE was prepared, which includes details of building materials and technology, R & U factors etc and submitted to the Ministry.
11	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible	Energy conservation measures like installation of LEDs for lighting the areas outside the building would be integral part of the project design and would be in place before project commissioning. Used CFLs & LEDs would be properly collected and sent for recycling as per the guidelines of the regulatory authority to avoid Mercury contamination. Solar energy is used for street lighting.
12	Adequate measure should be taken to prevent odor problem from solid waste processing plant and STP.	To prevent odor, the PP has provided ventilation facilities for STP.
13	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Buildings will have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

V General Conditions

Sl. No.	Conditions	Status of Compliance
1	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the	The Project proponent is being submitted six month report on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective

	respective Zonal Office of CPCB and the SPCB.	Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The copy of monitored results is attached as Annexure No.14.
2	Officials from the Regional Office of MoEF, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional Office of MoEF, Bangalore.	An Official from regional office of MOEF&CC had visited the project site and extended all support during his visit A complete set of all the documents had submitted to Regional Office of MoEF, CCF, Bangalore.
3	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	There is no change in the scope of the project. If there is change in the scope the PP will apply for fresh E C.
4	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed, The project proponent is willing to implement if additional conditions imposed by the Ministry.
5	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife	The PP has obtained all approvals and NOC from various authorities and departments for the construction of building.

	(Protection) Act, 1972 etc. shall be obtained as applicable by project proponents from the respective competent authorities.	
6	These stipulations would be enforced among under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Prevention) Act, 1986, the Public Liability (Insurance) Act. 1991 and EIA Notification, 2006	The conditions stipulated in the EC is being implemented in the project site. The provisions of environment rules and Notification in connection with building construction is being implemented in the project site.
7	The project proponent should advertise in 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 copies of clearance letters are available with the Kerala Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests, at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore	The project proponent had already advertised in two local newspapers a copy of the same had been submitted to the Regional office of this Ministry at Bangalore. A copy of advertisement is enclosed as Annexure No.15.
8	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation v/s. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to	Agreed

	this project.	
9	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad / Municipal Corporation, Urban Local Body and 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.	The project proponent has submitted a copy of Environmental Clearance to the local Self Government. The clearance letter is uploaded in the website of the company.
10	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _X (ambient levels as well as stack emissions or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The half yearly compliance report along with monitored data has uploaded in the website of the project proponent. The report is being sent to regional office of CPCB and SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _X (ambient levels as well as stack emissions or critical sectoral parameters) is being monitored and displayed in the project site.
11	The environmental statement for each financial year ending 31st March in Form-V as in mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended Subsequently, shall also be put	The Environmental statement for each financial year ending 31 st March in form V has submitted

	on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	
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ANNEXURE

Annexure No.1.



Facilities of Labour camp

Annexure No.2.



STP

Annexure No.3.



Dual Plumbing line

Annexure No.4.



Safety measures

Annexure No.5.

FILE NO. :PCB/HO/R19KOZ350636/2020
Date of issue :04/06/2020



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO ESTABLISH

ISSUED UNDER

Section 25 of Water (Prevention & Control of Pollution) Act, 1974
Section 21 of the Air (Prevention & Control of Pollution) Act, 1981

and

Environment (Protection) Act, 1986

As per Application No. :9693271
Dated:06-03-2020

TO

M/s LANDMARK TRADE CENTRE
OPP. HP PETROL PUMP, NH-66, PANTHEERANKAVU, GURUVAYURAPPAN COLLEGE
(P.O),
KOZHIKODE -673014.

Consent No. :PCB/HO/KKD/ICE/02/2020

Valid Upto :20/03/2022

1. GENERAL

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit.

1	VALIDITY	20/03/2022
2	Name and Address of the establishment	LANDMARK TRADE CENTRE OPP. HP PETROL PUMP, NH-66, PANTHEERANKAVU, GURUVAYURAPPAN COLLEGE (P.O), KOZHIKODE 673014
3	Communication	Telephone :0495-2436606 Fax :0-9895327363 E-mail:dibin@baselineprojects.in
4	Occupier Details	Mr. ANVAR SADATH C, NADUVATHINI (H), IRINGALLOOR, NEAR FAROOQUE JUMA MASJID, GURUVAYURAPPAN COLLEGE, KOZHIKODE 673014
5	Local Body	OLAVANNA
6	Survey Number	27/17,18,19, 30/41,42,43,44, 31/28,29,30,31,32,34,35,36,41,42, 32/1,47,58,82,83,56,81,48,49,50,84, 35/27,28,101,102,103,108,109,110,111
7	Village	PANTHEERANKAVU
8	Taluk	KOZHIKODE
9	District	Kozhikode
10	Capital Investment(Rs in Lakhs)	Rs. 9687.38 lakhs
11	Scale	Large
12	Category	RED
13	Annual fee(Rs)	Rs.1,20,000/-
	Total Fee remitted(Rs)	Rs. 3,60,000/-
14	Activity	Construction of Commercial cum office cum residential building; Total built-up area- 58559.08 sq.m.

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

- 2.1 Sewage Treatment Plant (STP) consisting of treatment units having adequate capacity shall be made functional/ arrangement for sewage treatment shall be provided, as per the proposal submitted along with the application, before commissioning of the establishment. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1)(g) of the Water Act shall also be made along with.
- 2.2 Water Consumption : 311 KLD

2.3 Effluent Generation : 253 KLD (70 KLD - Millennium apartments, 53 KLD - commercial cum residential building, 50 KLD - office building and 80 KLD - convention center.

2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

Sl.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent
1	PH	-	6.5 - 8.5	-
2	BOD	mg/l	3	-
3	Oil & Grease	mg/l	1	-
4	SS	mg/l	10	-

2.5 Mode of disposal of treated effluent : Maximum reuse for flushing, gardening etc., and balance to soakpit.
(160 KLD for flushing, 80 KLD for gardening)

**3. CONDITIONS AS PER
The Air(Prevention and Control of Pollution)Act, 1981**

3.1 Adequate air pollution control measures shall be provided before commissioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	
1	DG Set 320 KVA(2 nos)	-	24	3	Acoustic Enclosure,
2	DG Set 320 KVA(2 nos)	-	28	3	Acoustic Enclosure,
3	DG Set 750 KVA(2 nos)	-	29	3	Acoustic Enclosure,
4	DG Set 750 KVA(2 nos)	-	28	3	Acoustic Enclosure,

3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm3)
--------	-----------	-----------------------------

**4. CONDITIONS AS PER
The Environment (Protection) Act, 1986.**

4.1 The construction activities shall be carried out strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.

Annexure No.6.



First Aid Facility
Annexure No.7.



Stacked top soil

Annexure No.8.



Concrete Mixing plant
Annexure No.9.




D G set

Annexure No.10

[See rules 115 (2)]


Pollution Under Control Certificate
 Authorised By :
 GOVERNMENT OF KERALA



Date : 18/04/2024
Time : 10:14:57 AM
Validity upto : 17/10/2024

Certificate SL. No. : KL08500100051195
 Registration No. : KL10E3094
 Date of Registration : 07/Apr/1996
 Month & Year of Manufacturing : -1996
 Valid Mobile Number : *****3630
 Emission Norms : BHARAT STAGE I
 Fuel : DIESEL
 PUC Code : KL0850010
 GSTIN :
 Fees : Rs.110.00
 MIL observation : No

Vehicle Photo with Registration plate
 60 mm x 30 mm

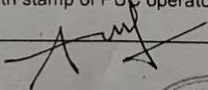



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	1.63

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
 60mm x 20 mm

PUC certificate

Annexure No.11.



WE SERVE TO SAVE



DEPARTMENT OF FIRE AND RESCUE SERVICES
GOVERNMENT OF KERALA

No:FRS/11/KKDM/17208/2023/FINAL

Date:26/08/2023

NO OBJECTION CERTIFICATE (COMPLETION)

Name & Address of the Applicant: ANVAR SADATH .C (MANAGING DIRECTOR)
BASECARE PROJECTS & DEVELOPERS PVT (LTD)
LANDMARK WORLD NH-66
BYEPASS,IRINGALLUR
P.O. G.A. COLLEGE CALICUT -14,Kerala
676304
India

Name of the Company: NIL

Occupancy type of Building: Residential Buildings

Height of the building: 42.65 M

Number of Floors of the Building: B1+G+14(16Floors)

Total Built up Area (in sqm): 16756.09 M²

Survey No: 27 / 17,18,19 - 30 / 41,42,43,44 - 31 / 28
29,30,31,32,34,35
36,41,42 -32 / 1,47,58,82
83,56,81,48,49,50
84 -35 / 27,28,101,102,103,108
109,110,111.

Village: Pantheeramkavu

Grama Panchayath: Olavanna

District: Kozhikode

Details of NOC For Permit F2-2336/2020

The above Building was inspected by the authorized and competent Officials of this Department. The final Fire System drawings, the filled up Checklist Cum Application and other Documents produced were scrutinized.

All the necessary fire protection arrangements as per the Rules and Norms pertaining to Fire Safety has been provided in the building and are found to be in good working condition

In the circumstances this No Objection Certificate (Completion) is issued under my Seal and Authority on condition that the Fire Fighting Systems installed will kept always be functional and owner of the Building should take special care to maintain the installed Fire protection arrangements in proper working condition. No further construction will be allowed in the open spaces, in and around the building, provided in the approved plan. This Certificate is issued on the basis of the data made available to the department regarding the site and building and if any of such data is found to be incorrect, this certificate will become invalid.

This Certificate is valid for one year from the date of issue. After one year the Certificate must be renewed. Non Renewal of the Certificate within the time limit will result in loss of eligibility for insurance coverage and appropriate legal action by Local Self Government / Revenue Department.All Officers of and above the rank of Station Officers of the Fire & Rescue Services Department will have the right to Inspect the building on any day / time after serving seven days notice to ensure that the Installed Systems are in good working condition.

This Certificate pertains only to the Fire Fighting arrangements made and installed in the Building. The civil construction, eligibility of the land and plot for this project, environmental feasibility, survey details, etc. shall be got Inspected and Approved by the concerned competent authority.



Digitally signed by Arun Alphonse
Reason: final clearance
Location:Headquarters Thiruvananthapuram
Date:2023.08.26 05:38:31 +05:30

To,
Applicant / Concerned Local Authority

** This is a computer generated certificate & signature is not required.*



**DEPARTMENT OF FIRE & RESCUE SERVICES
GOVERNMENT OF KERALA**

No. F2-2338/2020

Dated : 16.03.2020.

FIRE SAFETY CLEARANCE FOR SITE

1. Name & Address of the Applicant : **Sri.Anvar Sadath.C. (Managing Director)
Basecare Projects & Developers Pvt. Ltd.,
Landmark World, NH-66 Bypass,
Iringallur.P.O., G.A.College, Kozhikode-14.**
2. Name of the Company : **-**
3. Occupancy type of Building : **Business**
4. Height of the Building : **39.95 mtrs.**
5. Number of Floors of the Building : **13 F (B2+B1+G+10 F)
(Parking – B2+B1)**
6. Total Plinth Area (in sqm) : **16639.91 m²**
7. Survey No : **27/17, 18, 19, 30/41, 42, 43, 44, 31/28, 29, 30,
31,32, 34, 35, 36, 41, 42, 32/1, 47, 58, 82, 83, 56,
81, 48, 49, 50, 84, 35/27, 28, 101, 102, 103, 108,
109, 110, 111.**
8. Village : **Pantheerankavu**
9. Gramapanchayat : **Olavanna**
10. District : **Kozhikode**

The above site was inspected by the competent and authorized Officials of this Department. It was found that the site is suitable, prima facie for the proposed construction as per KPBR.

The Fire Plan drawings were scrutinized and compared with the Checklist (Form No.B6) and Prima Facie found to be in Order. The Applicant shall comply with all the Fire Safety arrangements as contained in the filled up Checklist, copy of which is attached to this clearance letter without any deviation. In case of some deviation to be made, the same shall be intimated to the competent authorities of the Stake holder Departments including this Department and the Applicant shall deposit necessary Fees etc. as per rules to obtain further clearance.



No: F2-2338/2020

On completion of construction of the Building, the Applicant shall fill the Checklist Cum Application (Form No.B2) again and also prepare a Fire Plan Drawing and submit following the due procedure. On receiving the Plan & the Checklist Cum Application duly filled, the authorized and competent Officials of this Department will inspect & verify the arrangements made as per the filled up Checklist to consider issuance of Certificate of Approval from this Department.

This clearance is limited to the Fire Safety measures/Arrangements for the proposed Building. The Fire Safety Clearance for the Site is issued for facilitating the construction of the proposed Building.



R.PRASAD,
DIRECTOR(TECHNICAL),
For DIRECTOR GENERAL.

To,

The Secretary, Olavanna Gramapanchayat (Kozhikode Dist.)Pin.673014.
(In Original)
(Vide Letter No.A5-2328/19(3), dated : 13.01.2019)

Enclosures: 1) Approved Checklist Cum Application form duly signed by the Competent Official.
2) Fire Plan duly affixed with Seal.

Copy to: 1) The Applicant with the above Enclosures
2) The Regional Fire Officer, Kozhikode.
3) The District Fire Officer, Kozhikode.
4) The Station Officer, Meenchanda.

F4.16/3.



**DEPARTMENT OF FIRE & RESCUE SERVICES
GOVERNMENT OF KERALA**

No. F2-2339/2020

Dated : 16.03.2020.

FIRE SAFETY CLEARANCE FOR SITE

1. Name & Address of the Applicant : Sri.Anvar Sadath.C. (Managing Director)
Basecare Projects & Developers Pvt. Ltd.,
Landmark World, NH-66, Bypass,
Iringallur.P.O., G.A.College, Kozhikode-14.
2. Name of the Company : -
3. Occupancy type of Building : Assembly cum Residential
(Multiplex Occupancy)
4. Height of the Building : 33.95 mtrs.
5. Number of Floors of the Building : 10 F (B+G+8)
6. Total Plinth Area (in sqm) : 5858.59 m²
7. Survey No : 27/17, 18, 19, 30/41, 42, 43, 44, 31/28, 29, 30,
31,32, 34, 35, 36, 41, 42, 32/1, 47, 58, 82, 83, 56,
81, 48, 49, 50, 84, 35/27, 28, 101, 102, 103, 108,
109, 110, 111.
8. Village : Pantheerankavu
9. Gramapanchayat : Olavanna
10. District : Kozhikode

The above site was inspected by the competent and authorized Officials of this Department. It was found that the site is suitable, prima facie for the proposed construction as per KPBR.

The Fire Plan drawings were scrutinized and compared with the Checklist (Form No.R9) and Prima Facie found to be in Order. The Applicant shall comply with all the Fire Safety arrangements as contained in the filled up Checklist, copy of which is attached to this clearance letter without any deviation. In case of some deviation to be made, the same shall be intimated to the competent authorities of the Stake holder Departments including this Department and the Applicant shall deposit necessary Fees etc. as per rules to obtain further clearance.



No: F2-2339/2020

On completion of construction of the Building, the Applicant shall fill the Checklist Cum Application (Form No.R9) again and also prepare a Fire Plan Drawing and submit following the due procedure. On receiving the Plan & the Checklist Cum Application duly filled, the authorized and competent Officials of this Department will inspect & verify the arrangements made as per the filled up Checklist to consider issuance of Certificate of Approval from this Department.

This clearance is limited to the Fire Safety measures/Arrangements for the proposed Building. The Fire Safety Clearance for the Site is issued for facilitating the construction of the proposed Building.



M.NOUSAD,
DIRECTOR(ADMINISTRATION),
For DIRECTOR GENERAL.

To,

The Secretary, Olavanna Gramapanchayat (Kozhikode Dist.)Pin.673014.
(In Original)

(Vide Letter No.A5-2328/19(4), dated : 13.01.2020)

Enclosures: 1) Approved Checklist Cum Application form duly signed by the Competent Official.
2) Fire Plan duly affixed with Seal.

Copy to: 1) The Applicant with the above Enclosures
2) The Regional Fire Officer, Kozhikode.
3) The District Fire Officer, Kozhikode.
4) The Station Officer, Meenchanda.

F4.16/3.

Annexure No.12



Jaslu Centre, West Hill
Kozhikode, Kerala - 673 005
Ph : 0495-4011432, 2382432
Email : jitheshpvtld@gmail.com
Web : www.jitheshengineers.com
CIN : U74200KL2014PTC036373

Date: 13.08.2024

STRUCTURAL STABILITY CERTIFICATE

This is to certify that the Structural Design of the proposed Commercial Cum Apartment building (B+G+13) floors of "LEON CENTRE" developing and constructing by "LANDMARK BUILDERS" Mini Bypass Rd, Thodayad, Kozhikode in Survey nos. 27/17,18,19-30/41,42,43,44-31/28,29,30,31,32,34,35,36,41,41,32/1,47,58,82,83,56,81,48,49,50,8435/27,28,101,102,103,108,109, 110,111,of Olavanna Kozhikode is prepared and designed by me (M/s Jithesh Engineers Pvt Ltd) and the design is satisfied with the requirements of all standards/guidelines including IS 875-1987 and IS 1893-2016. Also, I have certified that the site has been inspected by me and the design is found structurally stable for constructing the proposed commercial cum apartment building at the land mentioned above.

Er. K. JITHESH, MTech (Strl Engg.), MIE, CEng.
Structural Engineer & Chartered Engineer
Reg.No: M-149102-9

 **Jithesh Engineers Pvt. Ltd.**
Structural Engineers
Jaslu Centre, West Hill, Kozhikode, Kerala - 673005
Ph: +91 9446060432

23-02-2022

TO WHOMSOEVER IT MAY CONCERN

The structural design for the proposed apartment building Magnum Centre located at Re Survey No 27/3, 30/4c, 31/4, 7, 8, 9, 32/1, 4, 5, 35/1B (TPR.S.No-27/17, 18, 19-30/41, 42, 43, 44, 68, 77-31/28, 29, 30, 31, 32, 34, 35, 36, 37, 41, 42, 43, 44, 45, 47-32/47, 48, 49, 50, 56, 62, 75, 81, 82, 84, 83, 91-35/27, 28, 101, 102, 103, 108, 109, 110, 111, Village: Pantheeramkavu, Panchayath: Olavanna Panchayath, Ward: 10, Taluk: Kozhikode, District: Kozhikode, has been done by the undersigned.

The building is designed for Basement, Ground + 19 upper floors.

The structural design for the foundation and super structure confirms to all relevant Indian Standards.

Certified that the design is done for the dead and live loads as well as for wind load as per IS:875 and seismic loads (Zone III) as per IS:1893.



M.Sreekumar
(Structural Consultant &
Chartered Engineer)
Regn. # M-1743273

SREEKUMAR M.
Chartered Engineer
Regn. # M-1743273

STRUCTURAL CERTIFICATE



Calicut
06/01/2022

STRUCTURAL STABILITY CERTIFICATE-Landmark Trade centre

We hereby certify that the completed structures of B+G+14 floors apartment project and B+G+8 floors hotel project in RS No.27/1,30/4c,31/4,7,8,9,32/4,35/1b at ward no 10,Olavanna Panchayath,Kozhikode district is structurally safe to be occupied as apartment &hotel respectively and the building have been constructed as per the structural design drawings provided by M/s Design Spectrum.

SIGNATURE OF STRUCTURAL ENGINEER


Er. SANTOSH. K, M.Tech (Structural Engineering)
Reg. No: E-2050/08/21041/KKD/631/2021/EA
Design Spectrum, Calicut

DESIGN SPECTRUM
STRUCTURAL CONSULTANTS
Seiken Chambers, 3rd Floor
Kannur Road, Calicut, Ph: 0495-2765697
E-mail: designspectrumclt@gmail.com

3rd FLOOR, SEIKEN CHAMBERS, KANNUR ROAD, CALICUT -673001
PH: 9074929417, 0495-2765697, E-mail: designspectrumclt@gmail.com

Copy of structural stability certificate

Annexure No.13



Validity expires on 11.03.2025

**PROCEEDINGS OF THE ADMINISTRATOR, STATE
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
THIRUVANANTHAPURAM**
(Present. SHAHER BANU)

Sub: SEIAA- Environmental Clearance for the Proposed Mixed use Township Development Project 'Landmark Trade Centre' in Survey Nos. 27/1, 30/4c, 31/4, 7, 8, 9, 32/4, 351b of Pantheerankavu Village, Olavanna Panchayath, Kozhikode Taluk & Kozhikode District, Kerala by Mr. Anwar Sadath, Director, M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd - granted - Orders issued

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 1193/EC2/2018/SEIAA

Dated Thiruvananthapuram 12.03.2020

- Ref: 1. Application dated 27.11.2018 from Sri.Anwar Sadath, Director, M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd. Landmark World, N.H.17 Bypass, Kozhikode, Kerala-673014)
2. Minutes of 89th meeting of SEAC held on 4th December 2018
 3. Minutes of 95th SEAC meeting held on 27th & 28th March 2019.
 4. Minutes of the 97th meeting of SEAC held on 21st & 22nd May 2019.
 5. Minutes of 93rd meeting of SEIAA held on 30th May 2019
 6. Minutes of 95th meeting of SEIAA held on 29th July 2019
 7. Minutes of 97th SEIAA meeting held on 24.09.2019
 8. Minutes of 100th SEIAA meeting held on 23rd and 24th December 2019.
 9. Minutes of 101st SEIAA meeting held on 17th & 18th January 2020
 10. Minutes of 110th meeting of SEAC held on 11th & 12th February 2020

ENVIRONMENTAL CLEARANCE NO. 44 /2020

Sri.Anwar Sadath, Director, M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd, Landmark World, N.H.17 Bypass, Kozhikode, Kerala-673014 vide his application received on 27.11.2018 has sought environmental clearance under the EIA Notification, 2006 for the proposed mixed use Township Development Project 'Landmark Trade Centre' in Survey Nos. 27/1, 30/4c, 31/4, 7, 8, 9, 32/4, 351b of Pantheerankavu Village, Kozhikode Taluk & Kozhikode District, Kerala. It is inter alia, noted that the project comes under the Category B 8(a) of Schedule of EIA Notification 2006.

The proposed Mixed use Township development consisting of 2 residential towers (210 units), studio apartment (204 units), business park, 70 key hotel with restaurant facility and 500 pax convention centre and a club house. The total plot area of the project is 3.309 ha and the total built-up area is 81, 589 sq.m. The maximum height of the proposed building is 44.80 m. The parking proposed is 775 cars & 2900 two- wheelers. The total power requirement is 6.50 MW, which is sourced from Kerala State Electricity Board & D.G. Sets (standby). The total project cost is 350 crores.

2) The proposal placed in the 89th SEAC meeting held on 4th December, 2018 and the committee deferred the proposal for next meeting for want of following additional details:

1. Measures taken to segregate floating population
2. Need assessment mechanism to be ensured with CER
3. Report from pollution control Board
4. Measures taken to prevent minor subsidence due to sub-surface clay patches
5. Access road should have a minimum width of 14 m
6. Mechanisms to be taken for access to all type of people
7. Water management report
8. Report on evacuation

3) The proponent submitted additional documents as sought by 89th SEAC and the proposal placed before 95th SEAC meeting held on 27th & 28th March 2019 and committee decided to conduct the site visit.

4) Site Visit conducted on 03.05.2019 by sub committee of SEAC and the proposal placed in 97th meeting of SEAC held on 21st & 22nd May 2019. The committee observed that the proponent had already started land development and construction activities without waiting for environmental clearance from SEIAA. This is clear violation of relevant rules and procedures issued by the Ministry of Environment and Forests. So sub committee recommended to initiate action for gross violation of rules and procedures. SEAC accepted the recommendation of sub committee and decided to recommend SEIAA for starting action against the proponent for violating relevant rules and regulations for issuing environmental clearance.

5) The proposal was placed in the 93rd SEIAA meeting held on 30th May 2019. SEIAA accepted the recommendation of SEAC and decided the following

1. Direct the District collector and the Secretary, Kozhikkode Corporation to issue Stop Memo and report compliance.
2. Initiate violation proceedings against the proponent as per S.O 1030 (E) dt.08.03.2018 under EIA Notification 2006.

6) The proponent vide his letters dated 29.05.2019 and 12.06.2019 informed that proposed project was first envisaged as a mere commercial building with total built up area of 6826 square metres of which the construction initiated is only 800 sqmtrs. Since the total area is less than 20000 square metres, it was not necessary to get the prior Environmental

Clearance approval as per EIA 2006. Later they had thought of expansion of the project and hence submitted application to develop a mixed use township. In view of this, the proponent informed that they does not comes under the purview of violation proceedings.

7) The proposal is considered in the 95th SEIAA meeting held on 29th July, 2019 and Authority examined the representations dt.29.05.2019 & 12.06.2019 submitted by the proponent. The Authority is of the opinion that, the representation do not deserve any consideration and hence Authority decided to stick to the above decisions taken in its 93rd meeting held on 03rd June 2019. Accordingly direction given to the District Collector and the Secretary, Kozhikkode Corporation on 27.08.2019 to issue Stop Memo and report compliance.

8) The proponent as per his representation dated.26.08.2019, has intimated that, as per Judgment of the Hon'ble Supreme Court in IA Nos-2609-2610 of 2009 in WP(C) No.202/95 filed by T.N Godavarman Thirumulpad, no EC is required from SEIAA or MoEF for the building of a Township below the area of 1,50,000 sq.m and hence requested to consider their application, at the earliest, and to accept their request to invalidate the decision of SEIAA based on the judgment.

9) The proposal Placed in 97th SEIAA meeting held on 24.09.2019. The Authority noted that the building permit was granted by Olavanna Gramapanchayat on 26.10.2017. This project is basically a township development project but covered under category B(8a) of the schedule, as the built up area is 81589 sq.mts, which is less than 1,50,000 sq.mts required for considering the project under township area development projects. All category B(8a) (building & construction projects) require EC. No doubt, the project of this magnitude will have environmental impact and EC is mandatory under EIA Notification 2006. This was known to the proponent and he has applied for EC but started construction before issue of EC leading violation of EIA Notification 2006.

The proponent vide his letter dated 26.08.2019 addressed to Member Secretary has requested for withdrawal of violation proceedings quoting a Supreme Court Judgment in I.A. Nos. 2609-2610 of 2009 in WP (Civil) No.202 of 1995, dt.03.12.2010. A perusal of the Judgment shows that Supreme Court was analysing the reasons for classifying the projects under category 8(a) or 8(b) and ultimately Supreme Court was also of the opinion that there is an ambiguity in classification of category 8(a) & 8(b) projects based on the area. Finally Supreme Court decided that the project in question in UP state does not come under category 8 (b), as the area is less than 1,50,000 sq.mts and hence project does not fall within the limit of EIA Notification S.O 1533 (E) dated 14th September 2006. This judgment pertains to a different project in the State of Uttar Pradesh, specific to that project under given circumstances of the case and this may not be made uniformly applicable to other projects in the whole of the country.

Authority noted that the proponent project is covered under category 8(a) and there is no ambiguity on that account and the proposal was processed accordingly right from the beginning for obtaining EC. In S.O 804(E) dated.14.03.2017, sub paragraph (3) in para 13 reads that " in cases of violation action will be taken against the project proponent by

respective state or State Pollution Control Board under the provision of S.19 of the EPA Act 1986 and further no consent to operator or occupancy certificate will be issued till the project is granted EC”.

In the meantime MoEF in its latest OM dated 09th September 2019 has clarified that the violation falling in the window period of 14.03.2017 to 13.09.2017 & 14.03.2018 to 13.04.2018 or prior to it, can be considered for initiating violation procedures under OM dated.14.03.2017 & 08.03.2018. MoEF& CC is silent on the violation that have taken place beyond this window period. In this instant case the violation has taken place beyond this window period.

Authority decided to take up the matter with MoEF& CC for an urgent clarification on this issue with directions for procedure to be followed for the violation that have taken place beyond the window period.

Letter has been sent to Director, MoEF&CC to consider the matter and furnish urgent clarification on this issue. But no report received.

11) Sri. Anwar Sadath, Director submitted a request on 12.12.2019 enclosing a copy each of the Judgment of the Hon'ble High Court of Bombay in WP © 470/2013 and Judgment dated 10.07.2019. in WA 215/2018 and requested for a personal hearing.

12) The proposal was considered in the 100th SEIAA meeting held on 23rd December 2019. As requested by the Project Proponent in his letter dated 11.12.2019, an opportunity of being heard was given to the Project Proponent on 23.12.2019. The Authorised representatives of Project Proponent appeared before the Authority and put forth their views in support of their claim that there had been no violation to EIA Notification 2006. They also produced two judgments one each from of Hon'ble High Court of Maharashtra and Hon'ble High Court of Kerala in support of their claim. However they have failed in convincing the Authority that no violation of EIA Notification 2006 had taken place. Authority decided to wait for the reply from MoEF& CC, GoI, for further course of action.

13) The proponent again submitted a representation dated 28.12.2019 as appeal against the decision of the Authority. The proponent also submitted an affidavit stating that the construction activities beyond 20,000 sq.m will commence only after getting EC from SEIAA. Proponent has been invited for hearing at 101st SEIAA meeting on 17.01.2020. The Olavanna Grama Panchayth Secretary, also invited to attend the meeting.

14) The proposal was placed before 101st SEIAA meeting held on 17th & 18th January 2020. Authority noted all the developments that have taken place after the submission of the application for EC. Authority also perused all the documents produced by the proponent in support of their claim that there had been no violations to EIA Notification 2006. The proponent appeared before the Authority and stated that the construction work of only one building with built up area of less than 20,000 m² for which EC was not required, was commenced on site and in their application (Form I) they have wrongly stated the project, as a totally new project. He stated that, in fact the project is an expansion of the existing building and they have made a mistake in Form I by not mentioning it and they have apologized for the mistakes they have committed. The proponent had requested to treat their application for the expansion of the existing building of area less than 20,000 m² upto which

EC is not required. He has also stated that he will be careful in future and will not commit any irregularity in violation of EIA notification both during construction and operation phases of the project.

As per the direction of the Authority, Panchayat Secretary, Olavanna Grama Panchayat had also appeared before the Authority and stated that he had given a building permit [Permit No.A4-BA(90337)/2017 dt.26.10.2017] for the construction of a building with a total building area of 508.84 m². Proponent stated that he has taken up the construction of only this building as permitted by the local authorities. Proponent had also given a written statement narrating all the above points.

As per para 7 (ii) of EIA Notification 2006, prior Environmental Clearance can be given for the expansion or modernization or change of product mix in the existing project. During the hearing the proponent has given an undertaking that no further construction activity will be taken in excess of 20,000 m² without taking prior Environmental Clearance under the provision of EIA Notification 2006.

Under the circumstance Authority decided to give approval for the project considering it as an expansion, subject to the following conditions.

1. In the SEIAA meeting held on 17th January 2020, after the personal hearing, proponent has given an undertaking and he shall scrupulously follow his undertaking during the construction and operation phase of the project.
2. Proponent shall not violate any rules and regulations under EIA Notification 2006 as well as other rules and regulations of Govt. Kerala applicable to this Project.
3. Proponent shall carry out all ameliorative measures to rectify the environmental damage caused if any, in the project region, due to present construction activity, as suggested by SEAC to the best satisfaction of SEAC.
4. During the pendency of EC, SEAC shall make an inspection and the proponent shall abide by the conditions if any suggested.
5. Activities relating to Corporate Environmental Responsibilities amounting to Rs.7 crores shall be carried out leading to protection and promotion of environment including waste management in the project district as per OM F.No.22-65/2017-IA-III dt.01.05.2018 of MoEF & CC as directed by Director, Directorate of Environment & Climate Change and supervised by District Collector.
6. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II(I) of GoI, MoEF dt.22.09.2008).

15) The proposal was placed in the 110th SEAC meeting held on 11th & 12th February 2020 and committee entrusted the Subcommittee to conduct the field inspection and monitor the compliance of the conditions of the EC.

16) In this circumstances, Environmental Clearance is granted to Mr. Anwar Sadath, Director, M/s. Calicut Landmark Builders and Developers (India) Pvt.Ltd for the project considering it as an expansion for the proposed Mixed use Township Development Project 'Landmark Trade Centre' in Survey Nos. 27/1, 30/4c, 31/4, 7, 8, 9, 32/4, 351b of Pantheerankavu Village, Kozhikode Taluk & Kozhikode District, Kerala subject to the conditions in para 14 above and the usual general conditions for projects other than mining appended hereto. Also the following green conditions should be strictly adhered to.

Green Conditions.

1. *Adequate rain water harvesting facilities shall be arranged for.*
 2. *Technology and capacity of the STP to be indicated with discharge point (if any) of the treated effluent.*
 3. *Effluent water not conforming to specifications shall not be let out to water bodies.*
 4. *Maximum reuse of grey water for toilet flushing and gardening and construction work shall be ensured.*
 5. *Dual plumbing for flushing shall be done.*
 6. *Provisions for disposal of e-wastes, solid wastes, non-biodegradables and separate parking facility for the buildings shall be provided.*
 7. *Generation of solar energy to be mandatory for own use and/or to be provided to the grid.*
 8. *There shall be no compromise on safety conditions and facilities to be provided by the project proponent, which shall be ensured for occupation, regularisation or consent to operate.*
17. The Clearance will also be subject to full and effective implementation of all the undertakings given in the application form, all the environmental impact mitigation and management measures undertaken by the project proponent in the documents submitted to SEIAA and the mitigation measures and waste management proposal as assured in the Form - 1 and Form-1A, Environment Management Plan as submitted. The assurances and clarifications given by the proponent in the application and related documents will be deemed to be part of these proceedings as conditions as undertaken by the proponent, as if incorporated herein.
18. Validity of this Environmental Clearance will be five years from the date of issuance of Environmental Clearance subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of EC in case of violation or non compliance of any of the conditions stipulated herein or genuine complaints from residents within the scrutiny area of the project .
- 19) Compliance of the conditions herein will be monitored by Authority or its agencies and also by the regional office of the Ministry of Environment& Forests Government of India, Bangalore.
- 20) Necessary assistance for entry and inspection should be provided by the project proponent.
- 21) Instances of violation if any shall be reported to the District Collector, Kozhikkode to take legal action under the Environment (Protection) Act 1986.

- 22) The Half Yearly Compliance Report (HYCRs) with its contents of a covering letter, compliance report and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of the project, EC No and date, period of submission and to be sent to the Regional Office of MoEFF & CC by email only at email ID rosz.bng-mefcc@gov.in . Hardcopy of HYCRs shall not be acceptable.
- 23) The given address for correspondence with the authorised signatory of the project is Sri Anwar Sadath, Director, M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd., Landmark World, N.H.17 Bypass, Kozhikode, Kerala-673014.


SHAHER BANU
Administrator, SEIAA

To,

Sri Anwar Sadath, Director,
M/s Calicut Landmark Builders &
Developers (India) Pvt. Ltd.
Landmark World, N.H.17 Bypass,
Kozhikode, Kerala-673014

Copy to,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034. (through e-mail: rosz.bng-mefcc@gov.in)
2. The Principal Secretary to Government, Environment Department, Government of Kerala
3. The Director, Directorate of Environment & Climate Change, 4th Floor KSRTC Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695001.
4. District Collector, Kozhikkode
5. The Member Secretary, Kerala State Pollution Control Board
6. The District Town Planner, Kozhikkode
7. Tahsildar, Kozhikkode Taluk
8. Village Officer, Pantheerankavu Village, Kozhikkode- 673014
9. Secretary, Olavanna Grama Panchayath, G.A. College (P.O.) Mangavu, Pantheerankavu Road, Mathara, Kozhikkode- 673014
10. Chairman, SEIAA.
11. Website.
12. S.f/ O/c

GENERAL CONDITIONS *(for projects other than mining)*

- (i) Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- (iii) Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.
- (iv) The project shall incorporate devices for solar energy generation and utilization to the maximum possible extent with the possibility of contributing the same to the national grid in future.
- (v) Safety measures should be implemented as per the Fire and Safety Regulations.
- (vi) STP should be installed and made functional as per KSPCB guidelines including that for solid waste management.
- (vii) The conditions specified in the Companies Act, 2013 should be observed for Corporate Social Responsibility.
- (viii) The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
- (ix) Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating activity.
- (x) All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- (xi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (xii) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (xiii) The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- (xiv) The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.
- (xv) Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.
- (xvi) Officials from the Regional of MOEF, Bangalore who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional Office of MOEF, Bangalore.
- (xvii) These stipulations would be enforces among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control Pollution) at 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

- (xviii) Environmental Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
- (xix) Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act, 1997.
- (xx) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters 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 advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
- (xxi) A copy of the clearance letter shall be sent by the proponent to concerned GramaPanchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
- (xxii) The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (**both in hard copies as well as by e-mail**) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xxiii) The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.
- (xxiv) The proponent should provide notarized affidavit (*indicating the number and date of Environmental Clearance proceedings*) that all the conditions stipulated in the EC shall be scrupulously followed.

SPECIFIC CONDITIONS

I. Construction Phase

- i. "Consent for Establishment" shall be obtained from Kerala State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
- ii. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- iii. A First Aid Room will be provided in the project both during construction and operation of the project.
- iv. Adequate drinking water and sanitary facilities should be provided for construction workers at the site, Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- v. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

- vi. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- vii. Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- viii. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
- ix. Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Kerala State Pollution Control Board.
- x. The diesel generator sets to be during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- xi. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- xii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to the applicable air and noise emission standards and should be operated only during non-peak hours.
- xiii. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/KSPCB.
- xiv. Fly ash should be used as building material in construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August 2003. (The above condition is applicable Power Stations).
- xv. Ready mixed concrete must be used in building construction.
- xvi. Storm water control and its re-use per CGWB and BIS standards for various applications.
- xvii. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xviii. Permission to draw ground shall be obtained from the Computer Authority prior to construction/operation of the project.
- xix. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
- xx. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- xxi. Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on airconditioning. If necessary, use high quality double glass with special reflective coating in windows.
- xxii. Roof should meet prespective requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.
- xxiii. Opaque wall should meet prespective requirement as per energy Conservation Building Code which is proposed to be mandatory for all airconditioned spaces while it is aspirational for non-airconditioned spaces by use of appropriate thermal insulation material to fulfil requirement.

- xxiv. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National, Building Code including protection measures from lightening etc.
- xxv. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- xxvi. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.


II. Operation Phase

- i. The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Treatment of 100% grey water by decentralised treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Kerala State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.
- ii. The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- iii. Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Kerala State pollution Control Board.
- iv. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- v. The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
- vi. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- vii. Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
- viii. The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- ix. Traffic congestion near the entry and exit points from the roads adjoining the purposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- x. A Report on the energy conservation measures conforming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months time.

- xi. Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
- xii. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
- xiii. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

III Post Operational Phase

Environmental Monitoring Committee with defined functions and responsibility should foresee post operational environmental problems e.g. development of slums near the site, increase in traffic congestion, power failure, increase in noise level, natural calamities, and increase in suspended particulate matter etc. solve the problem immediately with mitigation measures


Administrator, SEIAA

Annexure No.14

നോട്ടീസ്
പൊതുജന ശ്രദ്ധയ്ക്കായി

കേരള സംസ്ഥാനം, കോഴിക്കോട് ജില്ല, കോഴിക്കോട് താലൂക്ക്, ഒളവണ്ണ പഞ്ചായത്ത് പന്തീരക്കാവ് വില്ലേജിൽ സർവ്വേ NO : 27/1, 30/4C, 31/4, 7,8,9, 32/4 and 351 B ഉൾപ്പെട്ട സ്ഥലത്ത് ലാൻഡ് മാർക്ക് ട്രേഡ് സെന്റർ എന്ന ടൗൺഷിപ്പ് പ്രൊജക്ടിനായി കാലിക്കറ്റ് ലാൻഡ് മാർക്ക് ബിൽഡേഴ്സ് & ഡവലപ്പേഴ്സ് (ഇന്ത്യ) പ്രൈ. ലി. എന്ന സ്ഥാപനം സമർപ്പിച്ച അപേക്ഷയിൽ വേണ്ട പരിസ്ഥിതി അനുമതി, പരിസ്ഥിതി വനകാലാവസ്ഥ വ്യതിയാന മന്ത്രാലയത്തിൽ നിന്നും ഓർഡർ നമ്പർ : 1193/EC2/2018/SEIAA തീയതി 12.03.2020 ൽ പ്രകാരം ലഭിച്ചിരിക്കുന്നു. ഈ ഓർഡറിന്റെ പകർപ്പ് സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡിൽ ലഭ്യമാണ്. കൂടാതെ പരിസ്ഥിതി വന-കാലാവസ്ഥ വ്യതിയാന മന്ത്രാലയത്തിന്റെ <http://www.seiaakerala.org> എന്ന വെബ് സൈറ്റിൽ കൂടിയും പകർപ്പ് കാണാവുന്നതാണ്.

ഒപ്പ്
 ഡയറക്ടർ
കാലിക്കറ്റ് ലാൻഡ് മാർക്ക് ബിൽഡേഴ്സ് & ഡവലപ്പേഴ്സ് (ഇന്ത്യ) പ്രൈ. ലി.

NOTICE

This is to inform to the General Public that the proposed Residential project in Survey No. 27/1, 30/4C, 31/4, 7, 8, 9, 32/4 and 351 B at Olavanna Village, Olavanna Panchayat, Kozhikode Taluk, Kozhikode District, Kerala being developed by M/s. Calicut Land mark Builders is accorded with ENVIRONMENT CLEARANCE by State Environment Impact Assessment Authority, Kerala vide order No. 1193/EC2/2018/SEIAA, dated 12.03.2020 and the copy of the Environment 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

(Sd/-) Director,
 Calicut Landmark Builders & Developers (India) Pvt. Ltd.

Copy of Notice

Annexure No.15

Standards

TEST REPORT

Test Report No.: 240220/R010	Date: 24-02-2024	Page 1 of 1
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CUSTOMER DETAILS

Customer Name & Address	M/s Calicut Landmark Builders & Developers India Pvt. Ltd. Landmark World,NH.17 Bypass Kozhikode District		
Customer Reference	Test Request date: 19-02-2024		

SAMPLE DETAILS

Product Category	Atmospheric Pollution	Sample Code	240220/S010
Sample Name	Ambient Air	Sample Received on	20-02-2024
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	21-02-2024
Sampled by	Lab Authorized Sampler	Test Completed on	23-02-2024

DETAILS OF SAMPLING

Sampling Location	Project Site	Date of Sampling	19-02-2024
Sampling Procedure	SEAAL/CHL/SOP/7.3/02	Humidity	66%


SAMPLING SITE DETAILS

Survey No.	271/1,30/4c,31/4,7,8,9,32/4,351 b		
Village	Pantheerankavu	Taluk	Kozhikode
District	Kozhikode	State	Kerala

TEST RESULTS-CHEMICAL DISCIPLINE

SL NO	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARD
1	Particulate matter, PM ₁₀	IS 5182 (Part 23): 2006	µg/m ³	60.2	100 (Max)
2	Particulate matter,PM _{2.5}	IS 5182 (Part 24): 2019	µg/m ³	32.5	60.0 (Max)
3	Sulphur dioxide as SO ₂	IS 5182 (Part 2): 2001	µg/m ³	5.28	80.0 (Max)
4	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6): 2006	µg/m ³	6.17	80.0 (Max)

End of Report



Nesny A.K.
Chemist
Checked by





Laju P.N.
Laboratory Head
Authorized Signatory

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standards Environmental & Analytical Laboratories

Approval: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist.- 683 110
Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: seaalab@gmail.com

Air

Standards

TEST REPORT

Test Report No.: 240220/R011	Date: 24-02-2024	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	M/s Calicut Landmark Builders & Developers India Pvt. Ltd. Landmark World,NH.17 Bypass Kozhikode District
Customer Reference	Test Request date: 19-02-2024

DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	240220/S011
Sample Name	Ambient Noise	Monitoring Commenced on	19-02-2024
Test Method	IS 9989:1981	Monitoring Completed on	20-02-2024
Monitoring Location	Project Site	Monitored by	Lab Authorized Sampler

SAMPLING SITE DETAILS			
Survey No.	271/1,30/4c,31/4,7,8,9,32/4,351 b		
Village	Pantheerankavu	Taluk	Kozhikode
District	Kozhikode	State	Kerala

MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	37.3	14:00	50.1	22:00	36.2
07:00	40.0	15:00	50.4	23:00	36.3
08:00	44.3	16:00	51.6	24:00	38.9
09:00	47.7	17:00	52.0	01:00	39.6
10:00	50.1	18:00	46.6	02:00	39.3
11:00	53.1	19:00	43.1	03:00	40.0
12:00	50.4	20:00	39.3	04:00	38.9
13:00	49.7	21:00	38.8	05:00	40.8

Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	48.5
2	Ambient Sound Level (Leq) Night Time	dB(A)	39.3

Remarks: ***End of Report***



Nesny A.K.
Chemist
Checked by





Laiju P.N.
Laboratory Head
Authorized Signatory

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Standards Environmental & Analytical Laboratories

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'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist.-683 110
Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: sealab@gmail.com

Noise

Standards

TEST REPORT

Test Report No.: 240220/R012	Date: 24-02-2024	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	M/s Calicut Landmark Builders & Developers India Pvt. Ltd. Landmark World,NH.17 Bypass Kozhikode District
Customer Reference	Test Request Date: 19-02-2024

SAMPLE DETAILS			
Product Category	Water	Sample Code	240220/S012
Sample Name	Ground Water	Sample Received on	20-02-2024
Sample Description by Customer	Bore Well Water	Temperature @ Receipt	27°C
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	21-02-2024
Sample Quantity & Packing	1 L & 125 ml in a Plastic Bottle	Test Completed on	23-02-2024
Information Provided by Customer	---	Sampled by	Not Drawn by Laboratory

SAMPLING SITE DETAILS			
Survey No.	271/1,30/4c,31/4,7,8,9,32/4,351 b		
Village	Pantheerankavu	Taluk	Kozhikode
District	Kozhikode	State	Kerala

TEST RESULTS- CHEMICAL DISCIPLINE					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
1	Colour	IS 3025 (Part 4): 2021	Hazen	1	5 (Max)
2	Odour	IS 3025 (Part 5): 2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10): 2023	NTU	0.30	1.0 (Max)
4	pH	IS 3025 (Part 11): 2022	---	7.10	6.50-8.50
5	Conductivity	IS 3025 (Part 14): 2013	µS/cm	148	---
6	Total Dissolved Solids	IS 3025 (Part 16): 2023	mg/L	95.5	500 (Max)
7	Total Hardness as CaCO ₃	IS 3025 (Part 21): 2009	mg/L	50.0	200 (Max)
8	Calcium as Ca	IS 3025 (Part 40): 1991	mg/L	12.8	75 (Max)
9	Magnesium as Mg	IS 3025 (Part 46): 2023	mg/L	4.38	30 (Max)
10	Chloride as Cl	IS 3025 (Part 32): 1988	mg/L	16.4	250 (Max)

Nesny A.K.
Chemist
Checked by



Remya B.
TM-Biological
Authorized Signatory

Laiju P.N.
Laboratory Head
Authorized Signatory

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Standards Environmental & Analytical Laboratories

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Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: seaalab@gmail.com

Standards

TEST REPORT

Test Report No.: 240220/R012	Date: 24-02-2024	Page 2 of 2
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TEST RESULTS- CHEMICAL DISCIPLINE					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 2023	mg/L	27.0	200 (Max)
12	Iron as Fe	IS 3025 (Part 53): 2003	mg/L	0.30	1 (Max)
13	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1): 2022	mg/L	2.70	200 (Max)

TEST RESULTS - BIOLOGICAL DISCIPLINE					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 : 2012
1	Total Coliform Bacteria	IS 15185 : 2016	----	Absent/100 ml	Absent/100 ml
2	<i>E.coli</i>	IS 15185 : 2016	----	Absent/100 ml	Absent/100 ml

Remarks:

End of Report

Nesny A.K.
Chemist
Checked by



Remya B.
TM-Biological
Authorized Signatory

Laiju P.N.
Laboratory Head
Authorized Signatory

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standards Environmental & Analytical Laboratories

Approval: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist.-683 110
Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: seaalab@gmail.com

Water

Standards

TEST REPORT

Test Report No: 240220/R015	Date: 24-02-2024	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	M/s Calicut Landmark Builders & Developers India Pvt. Ltd. Landmark World,NH.17 Bypass Kozhikode District
Customer Reference	Test Request date : 19-02-2024

SAMPLE DETAILS			
Product Category	Pollution & Environment	Sample Code	EN24060730
Sample Name	Soil	Sample Received on	20-02-2024
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	27°C
Sample Quantity & Packing	500g in Polyethene Bag	Test Commenced on	21-02-2024
Sampled by	Not Drawn by Laboratory	Test Completed on	23-02-2024

SAMPLING SITE DETAILS			
Survey No.	271/1,30/4c,31/4,7,8,9,32/4,351 b		
Village	Pantheerankavu	Taluk	Kozhikode
District	Kozhikode	State	Kerala

TEST RESULTS – CHEMICAL DISCIPLINE				
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT
1	pH	IS 10158: 1982	---	5.11
2	Conductivity	IS 14767: 2000	µS/cm	110
3	Water Holding Capacity	SEAAL/EN/SLS/SOP/01	%	52.0
4	Particle Size Distribution	Clay	SEAAL/CHL/SOP/7.2/21	11.9
		Sand	SEAAL/CHL/SOP/7.2/21	75.5
		Silt	SEAAL/CHL/SOP/7.2/21	12.6
5	Organic Matter	IS 2720 (Part 22):1992	%	0.33
6	Sodium as Na	USEPA 7000B:2007	mg/kg	210
7	Chlorides	SEAAL/CHL/SOP/7.2/16	mg/kg	420
8	Sulphur as SO ₄	IS 2720 (Part 27): 1977	mg/100g	10.5
9	Total Nitrogen as N	IS 14684 :1999	%	0.36
10	Available Potassium	SEAAL/CHL/SOP/7.2/11	meq/100g	62.5
11	Total Phosphorous as P	IS 10158:1982	mg/kg	286

Remarks:

End of Report

Nesny A.K.
Chemist
Checked by



Laiju P.N.
Laboratory Head
Authorized Signatory

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Soil

Standards

TEST REPORT

Test Report No.: 240220/R013	Date: 24-02-2024	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	M/s Calicut Landmark Builders & Developers India Pvt. Ltd. Landmark World, NH.17 Bypass Kozhikode District.
Customer Reference	Test Request Date: 19-02-2024

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	240220/S013
Sample Name	Stack Emission	Sample Received on	20-02-2024
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	21-02-2024
Sampled by	Lab Authorized Sampler	Test Completed on	23-02-2024


DETAILS OF SAMPLING			
Stack Identity	400 KVA DG set	Date of Sampling	19-02-2024
Stack Diameter	0.15 m	Sampling Procedure	SEAAL/CHL/SOP/7.3/04

SAMPLING SITE DETAILS			
Survey No.	271/1,30/4c,31/4,7,8,9,32/4,351 b		
Village	Pantheerankavu	Taluk	Kozhikode
District	Kozhikode	State	Kerala


TEST RESULTS-CHEMICAL DISCIPLINE					
SL NO	PARAMETERS	TEST METHOD	UNIT	RESULT	KSPCB LIMIT
1	Temperature of Emission	IS 11255 (Part 3): 2008	°C	162	---
2	Velocity of Gas Discharged	IS 11255 (Part 3): 2008	m/sec	8.42	---
3	Volume of Gas Discharged	IS 11255 (Part 3): 2008	Nm ³ /Hr	372	---
4	Particulate Matter	IS 11255 (Part-1): 1985	mg/Nm ³	39.2	<172

Remarks:

End of Report


Nesny A.K.
Chemist
Checked by




Laju P.N.
Laboratory Head
Authorized Signatory

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Stack emission

Copy of Monitored data