

**FILE NO : KSPCB/KT/ICO/10021419/2023**

**Date of issue : 14-03-2023**



**KERALA STATE POLLUTION CONTROL BOARD**

**CONSENT TO**

**OPERATE/AUTHORISATION/REGISTRATION**

**ISSUED UNDER**

The Water (Prevention & Control of Pollution) Act, 1974

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

and

The Environment (Protection) Act, 1986

**As per Application No. : 10021419**

**Dated : 08-02-2023**

**To**

**Karimala Granites and Aggregates Pvt. Ltd. ( Quarry Unit )  
Pathanadu, Kangazha P.O. , Kottayam**

**Consent No. : KSPCB/KT/ICO/10021419/2023**

**Valid Upto : 29-11-2026**

## 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	<b>VALIDITY</b>	29-11-2026
2	Name and Address of the establishment	Karimala Granites and Aggregates Pvt. Ltd. ( Quarry Unit ) Pathanadu, Kangazha P.O. , Kottayam E-Mail : cleanlineconsultancy@gmail.com Contact Number : 9447455890
3	Occupier Details	K J THOMASKUTTY KANNAMTHANATHU HOUSE, VADASSERIKARA P.O, PATHANAMTHITTA. E-Mail : cleanlineconsultancy@gmail.com Contact Number : 0
4	Local Body	Kangazha
5	Survey Number	278/2, 2-1, 3, 7, 4-2, 4-1, 4-3, 4-4, 4-5, 6, 277/1, 9, 286/2, 3, 4, 5, 8, 282/10
6	Village	Kangazha
7	Taluk	Changanassery
8	District	KOTTAYAM
9	Capital Investment(Rs in Lakhs)	250.0
10	Scale	Small
11	Category	RED
12	Annual fee(Rs)	32500.0
	Total Fee remitted(Rs)	113750.0
13	Activity	Granite Rubbles-100 Metric Tonnes/Day
14	Machinery details	Compressor – 2 nos , Hitachi – 2 nos

## **2.Conditions as Per The Water(Prevention and Control of Pollution)Act, 1974**

2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the proposal submitted along with the application shall be made functional before commissioning. 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 : 5000 LPD

2.3 Effluent Generation: 4000 LPD

2.4 Sewage / waste water with only organic contaminant if any, generated in the unit, shall be discharged through scientifically designed septic tank and soak pit system as per the follows IS code.

i. Septic tank as per IS 2470 (Part 1): 1985.

ii. Soak pit with sealed bottom, honey comb side wall 65 cm thick 2 mm sand all around.

Mode of disposal of treated effluent: Soak pit

2.5 Soak pit shall be at least 10 m away from the water intake well/nearby drinking water wells

## **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

3.2 All operations likely to produce dust or noise shall be carried out within sufficiently closed and insulated area

3.3 The PM<sub>10</sub> in ambient air at the boundary shall not exceed 100 microgram / m<sup>3</sup>

3.4 The PM<sub>2.5</sub> in ambient air at the boundary shall not exceed 60 microgram/m<sup>3</sup>

3.5 There shall not be any fugitive emission from the premises

3.6 The D. G. sets shall be provided with a minimum chimney height 0.2 root of KVA meters above roof level of the highest nearby building (Where KVA is the capacities of all DG sets). The D. G. sets shall be placed at a minimum distance of root of (KVA/2) meters from the neighbouring residences / worship places / institutions (where KVA is the capacity of DG sets).

## **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. The sound level measured 1 m outside the boundary of the unit shall not exceed the National ambient noise standards applicable to adjoining area.

4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.:NA

4.4 e-waste shall be disposed of safely as per the E-Waste (Management) Rules, 2016.

4.5 Proper Solid waste management system shall be provided in the unit, arrangements for collection, segregation, storage, handling and disposal of solid Waste including garbage shall be provided as per SWM Rules 2016 and the facility shall be maintained properly.

4.6 Organic waste management facility such as bio bin/biogas/aerobic bin/windrow compost etc of sufficient size shall be provided at source and mini material collection and resource recovery facility shall be provided for collecting, segregating and dispatching for recycling the inorganic waste generated in the unit.

4.7 Construction debris produced in the unit shall be disposed as per the provisions of Construction and Demolition (C&D) Waste Management Rules, 2016 and CPCB guideline.

4.8 Biomedical waste generated in the unit shall be disposed by biomedical waste management rules 2020

4.9 Plastic waste generated in the unit shall be disposed by plastic waste management rules, 2021. Single use plastic and other banned plastic items shall not be used in the unit.

## **5.GENERAL CONDITIONS**

5.1 This consent is granted subject to the power of the Board to review and make variations in all or any of the conditions as per section 21(6) of the Air (Prevention & Control) of pollution Act 1981 & section 27 of the water (Prevention & control ) of pollution Act 1974.

5.2 This consent, unless withdrawn earlier, shall be valid till the date specified in column 1.1 At the end of the validity period if the construction is not completed, the same shall be renewed. Late application shall be accepted only with fine as applicable.

5.3 For renewal of the consent in case of continuance of operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board <http://www.keralapcbonline.com> for renewing the Consent on or before two months in advance to expiry date. Late application will be accepted with 10% (for application before expiry date) & 50% of yearly fee as late fee for application after due date.

5.4. The occupier shall comply with all the environmental rules and the related act stipulated by the government, relevant instructions issued by the Board in time to time for the prevention and control of pollution and protection of environment.

5.5 No change or alteration of the unit or equipment capacity shall be made without the prior permission of the Board. Any change in the particulars furnished in the references or in the identity of the occupier / authorised agent is to be intimated to the Board forthwith.

5.6 Adequate green cover and green belt shall be provided in the unit with continual improvement of number of trees and vegetation in and around the campus. Nonconventional energy sources (solar, wind, biogas, etc) shall be utilised to the maximum extent to meet the energy need.

5.7 Location of the unit shall be as shown in the drawing attached. No change or alteration to the above shall be made without obtaining prior permission from the board.

5.8 Consent to Operate / Authorisation shall be obtained before commissioning the building and after completing the institution of the unit including all pollution control measures.

5.9 Set back as per building rules shall be provided between the boundary and the building.

5.10 This consent is granted based on the particulars and affidavit submitted by the Entrepreneur and any violation/non-compliance/submission of false information will lead to cancellation of consent and stringent action against the applicant and occupier. In the case of noncompliance of integrated consent conditions, the consent issued will be withdraw/cancelled, and fee will be lapsed automatically.

5.11 The consented shall put up a sign board of size 6x4 ft. near the main entrance of the plant to display the name of the unit and important consent conditions.

5.12 The occupier shall comply with all the environmental rules and the related act stipulated by the government, relevant instructions Board may issue from time to time for the prevention and control of pollution and protection of environment.

Scientific Organic waste management facilities such as bio bin/biogas/aerobic bin/windrow compost etc of sufficient size shall be provided at source. For managing inorganic waste generated in the unit mini material collection and resource recovery facility shall be provided for collecting, segregating and dispatching for recycling the inorganic waste (plastic, metal, paper, glass etc) generated in the unit.

5.13 Arrangements of rain water harvesting including open well / Bore well/ Ground water recharging shall be provided. Rain water harvesting facility shall be installed in the unit within three month and photos of the same shall be submitted in this office via e-mail.

5.14 Any change in the unit and machinery/particulars furnished in the application/ attachments /or in the identity of the occupier/authorized agent is made, then the same shall be intimated to the Board and consent variation shall be obtained.

5.15 Maintain hygienic condition and good housekeeping practises shall be maintained in and around the unit.

5.16 Compound wall of sufficient height shall be provided for preventing noise pollution.

## **6. SPECIFIC CONDITIONS**

6.1 “The consent issued from the Board will be valid only for a period during the period when all other statutory or necessary clearances from other concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water Act, 1974, Air Act 1981 and Rules thereunder. The operation of the unit shall be commenced only after obtaining clearances from all concerned authorities”.

6.2 All the Conditions given in the Environmental clearance shall be strictly complied with, A copy of compliance report shall be submitted to the district office in regular interval specified in the EC.

6.3 Mining shall be only done as per the approved mining plan and approval of district geologist.

6.4 Annual environmental statement shall be submitted on or before 31 st March every year.

6.5 Regular wetting of the road in the premises of the unit quarry and approach roads near the quarry shall be done for avoiding excessive dust emission within and outside the boundary.

6.6 There shall not carry out any mining activity between 6.00 pm to 6.00 am.

6.7 There shall be a minimum distance of 50m from boundary of quarry operating area to residential building, place of worship, public buildings, public road having vehicular traffic, river or lake, railway line, bridges etc as per PCB/HO/CIRCULAR-01/03/2017, dated 10/10/2017.

6.8 Boundary shall be fenced before operation of quarrying activities.

6.9 Suitable species of trees and curtain plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment. And reduce air and noise pollution.

6.10 Bench cutting method shall be adopted for quarrying. Blasting shall be done with electronic detonators and prior signals in specified time.

6.11 Quarrying operations shall be started only after obtaining Mining permit/lease from Mining and geology Department and D & O License under the Kerala Panchayat Raj Act from the concerned Local Self Government.

6.12 Adequate safety measures shall be provided in accordance with the fire & safety regulations.

6.13 After completion of mining, the mining area shall be reclaimed as per approved mine closure plan.

6.14 Mining below normal water table by continuous pumping shall be avoided in summer period (March, April & May) to prevent drinking water shortage in that area.

6.15 No other machineries, other than that specified in the consent shall be operated in the quarry without prior Consent of the Board

SIGNATURE OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER

[illegible]

30000 - 100000

Sl. No.	Survey No.	Area	Area (Applied)
1	2781	0.0360 Ha	0.23.60 Ha
2	2782	0.0540 Ha	0.06.40 Ha
3	2783	0.2120 Ha	0.21.20 Ha
4	2783	0.2005 Ha	0.20.05 Ha
5	2784	0.6020 Ha	0.60.20 Ha
6	2784	0.4041 Ha	0.40.41 Ha
7	2784	0.4041 Ha	0.40.41 Ha
8	2784	0.2499 Ha	0.24.99 Ha
9	2784	0.2499 Ha	0.24.99 Ha
10	2786	0.0640 Ha	0.06.40 Ha
11	2779	0.2860 Ha	0.28.60 Ha
12	2771	0.1379 Ha	0.13.79 Ha
13	2869	0.4539 Ha	0.45.39 Ha
14	2869	0.2811 Ha	0.28.11 Ha
15	2869	0.0057 Ha	0.00.57 Ha
16	2869	0.4260 Ha	0.42.60 Ha
17	28210	0.2870 Ha	0.28.70 Ha
18	28210	0.2509 Ha	0.25.09 Ha

നോക്കി വിട്ടുപോയി - 10.09.2015  
ചിന്ത മാറ്റിത്തന്നു  
മോശിത്തന്നു  
വിട്ടുപോയി - 09.09.2015

- Größenfaktoren Permittivitätskoeffizient
- elektrische Feldstärke elektrische Feldkomponente

1. பிள்ளைகள் அறிவு - பிள்ளை அறிவை - 9000  
2. பிள்ளைகள் அறிவு - பிள்ளை அறிவை - 9500  
3. பிள்ளைகள் அறிவு - பிள்ளை அறிவை - 11000  
4. பிள்ளைகள் அறிவு - பிள்ளை அறிவை - 12000

ചോര ചെത്തിച്ചുവാൻ ചങ്ങലിത്തോറ പലരോടുകൂടി  
 ചുവപ്പ് തിരക്കോലത്തിൽ കോലാലതിനായി തിരുത്തേ,   
 തി നാലന്നിന്റെ അറക്കൂത്ത് ചന്ദ്രൻ ചുരുത്തിൽ നീക്കം  
 വെട്ടിച്ചുരുക്കി ആകൃഷ്ടം, ഭരൻ, ചുറ്റ, നീക്കംവെട്ടാൻ  
 ചെട്ടിച്ചുരുക്കി ചെട്ടിൻ ചുരുക്കത്തോ, ചോര ചെട്ടിച്ചുരുക്കം  
 ചെട്ടിച്ചുരുക്കി അടന്നിൽ ചുറ്റും ചിളകുക തന്തിരിയത്തോ,  
 തി നാലൻ നാലായിൽ നിന്നും കൂടുക, ചുറ്റുനാൽ  
 ചെട്ടിച്ചുരുക്കി നാൽക്കുരുക്കത്തോ ചുരുക്കം നാൽക്കുരുക്കത്തോ  
 നീക്കം, നിന്നു, നിന്നു, നിന്നു, നിന്നു, നിന്നു, നിന്നു, നിന്നു, നിന്നു,  
 ചെട്ടിച്ചുരുക്കം നാൽക്കുരുക്കത്തോ ചെട്ടിച്ചുരുക്കം  
 ചുരുക്കം ചുരുക്കത്തോ ചുരുക്കം ചുരുക്കത്തോ ചുരുക്കം ചുരുക്കത്തോ

*P. P. P.*  
4/6/15  
VILLAGE OFFICER  
KANGAZHA

பி.என்.சி.பி

ഭിന്നഭിന്ന