

FILE NO : KSPCB/KT/ICO/10006112/2022

Date of issue : 13-08-2022



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. : 10006112

Dated : 29-06-2022

To

**KARIMALA GRANITS AND AGGREGATES PVT . LTD
KANGAZHA P.O , PATHANAD , KOTTAYAM**

Consent No. : KSPCB/KT/ICO/10006112/2022

Valid Upto : 30-06-2027

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	30-06-2027
2	Name and Address of the establishment	KARIMALA GRANITS AND AGGREGATES PVT . LTD KANGAZHA P.O , PATHANAD , KOTTAYAM
3	Occupier Details	K J THOMASKUTTY KANNAMTHANATHU HOUSE, VADASSERIKARA P.O, PATHANAMTHITTA.
4	Local Body	Kangazha
5	Survey Number	277/7,286/1,2,3,4,5,6,7,8,9,10,11,287/2
6	Village	Kangazha
7	Taluk	Changanassery
8	District	KOTTAYAM
9	Capital Investment(Rs in Lakhs)	955.0
10	Scale	Medium
11	Category	ORANGE
12	Annual fee(Rs)	51000.0
	Total Fee remitted(Rs)	204500.0
13	Activity	Granite Aggregates-2500 Metric Tonnes/Day M.SAND-1500 Metric Tonnes/Day
14	Machinery details	Primary Crusher -100 HP (2 nos) , Super Primary Crusher - 220 HP , Cone Crusher (2 nos) -150 HP &180 HP , M.Sand -VSI-250 HP (2 nos) , Auxiliaries - 215 HP , Total HP - 1465 HP DG set (2 No) 1000 & 600 Kva. JCB 5 No, Dumper truck 15 No

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 : 12000 LPD

2.3 Effluent Generation: 0.5 KLD

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: Soakpit

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 Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level	Above Roof Level	

3.2 Emission characteristics shall not exceed the following:

SI. No.	Parameter	Limiting Standards (mg/Nm ³

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

3.4 The PM₁₀ in ambient air at the boundary shall not exceed 100 microgram / m³

3.5 The PM_{2.5} in ambient air at the boundary shall not exceed 60 microgram/m³

3.6 There shall not be any fugitive emission from the premises

3.7 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

4.3.1 Activities for which Authorisation is granted:NA

Collection		transport	
Reception		Storage	
Treatment		Reprocessing/Disposal	

4.3.2 Type, quantity and mode of storage/collection/disposal of hazardous wastes shall be as follows: NA

Sl.No.	Hazardous Waste Schedule	Category	Quantity Tonne/year
Mode of Storage		Mode of Disposal	

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 derbies 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.kerala\[cbonline.com](http://www.kerala[cbonline.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 Set back of 50 m shall be provided between the boundary and the machinery building in all sides and a distance and a minimum distance of 200 m shall be maintained to the nearest residence from the utter wall of unit having the machinery's installed. According to the minimum distance to the nearest residences a solid brick enclosures of minimum 23cm thickness shall be provided around the stone crushers and vibratory screens to control dust and noise pollution. Enclosures provided in the processing area shall be properly maintained and damaged sheet or walls will be immediately replaced.

6.2 The conveyors, sand washing area and product material storage area shall be fully enclosed. Compressors and blowers used in the unit shall be provided with acoustic enclosure.

6.3 Dust extraction system and dust suppression system provided in the unit, shall be properly operated full time during the full/ partial functioning of the unit and the same shall be properly maintained.

6.4 The water used for sand washing shall be treated in a settling tank and same shall be reused and only make up water required to compensate the losses shall be feed to the system. The slurry settled shall be collected periodically and stored in a properly protected area/ pond for preventing the escape of slurry along with storm water. Delay ponds shall be provided at suitable locations to prevent the escape of aggregate/clay to outside the boundary of the unit or to nearby drain, road or river.

6.5 The raw material rock unloading activities from tipper lorries shall be done to a tank/ hopper having rubberised floors and housed in a shelter with brick walled sides and proper roof.

6.6 Measures shall be taken to reduce the sound at the place of feeding of raw materials in to the crusher


Digitally signed by Biju B
Date: 2022.08.13 13:02:36 IST

SIGNATURE OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER

