

COMPLIANCE REPORT

April 2025 – September 2025

**COCHIN GRANITES PULICKAL
ASSOCIATES
(QUARRY PROJECT)
ERNAKULAM DISTRICT
KERALA**

COCHIN GRANITES PULICKAL ASSOCIATES

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ELDHO KURUVILLA
Managing Partner

Dated. 15-10-2025

To,

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

Sub:- Environmental Clearance - Quarry project at Survey Nos. 283 and others at Mazhuvannoor Village and Sy. No. 284/1-2,284/1-3 and others at Arackapady Village Ernakulam District, Kerala- Compliance report - First half reg.

Ref.1. File No. 1392/EC2/2019/SEIAAA dt. 11-10-2022
Ref.1. EC Identification No. EC22B001KL180424 dt. 11-10-2022
Ref.1. Proposal No. SIA/KL/MIN/144152/2020 dt. 20-02-2020

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for **8.7668 ha.** by **EC Identification No. EC22B001KL180424 dt. 11-10-2022** dated **11-10-2022** by State Environmental Impact Assessment Authority, Kerala. The half yearly compliance report for the period of **April 2025 - September 2025** to the specific and general conditions of the Environment Clearance order is enclosed. The mining lease for an area of 8.7668 ha was executed on 20-6-2024.

Thanking you,
Yours respectfully,

For M/s Cochin Granites Pulickal Associates

For Cochin Granites Pulickal Associates

Eldho Kuruvilla
Managing Partner

Managing Partner

Copy to:-
The Member Secretary
State Environment Impact Assessment Authority (SEIAA), Thiruvananthapuram, Kerala.

End. - As Above

COMPLIANCE REPORT
TO
THE CONDITIONS
OF
ENVIRONMENTAL CLEARANCE IDENTIFICATION No.
EC22B001KL180424
File NO. 1392/EC2/2019/SEIAA
BY
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(SEIAA)
FOR
BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT

AT
Survey Nos. 283, 282/3-1,282/3-3pt at Mazhuvanoor
Village and Sy. No. 284/1-2, 284/1-3, 284/2-2Pt., 284/2-
3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2
at Arkapady Village
ERNAKULAM DISTRICT, KERALA
BY
M/S COCHIN GRNITES PULICKAL ASSOCIATES
ERNAKULAM DISTRICT
KERALA

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INTRODUCTION

M/s Cochin Granites Pulickal Associates quarry project is situated at **survey no. 283** and others at **Mazhuvanoor Village** and **Sy. No.284/1-2, 284/1-3** and others at Arkapady Village, Ernakulam District, Kerala. The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority vide file number **45/SEIAA/KL/7166/2012 dt 15.03.2013** for an area of 4.898.

Later, the project proponent has applied for expansion of existing project in February 2020 at SEIAA for an area of 8.7668 ha. After conducting EIA and public hearing, the project proponent has obtained Environmental Clearance vide EC Identification **No. EC22B001KL180424** and file **No. 1392/EC2/2019/SEIAAA** dt. 11/10/2022.

The half yearly compliance report needs to be submitted as part of EIA notification, 2006 by the project proponent. The compliance report to the specific conditions and general conditions of the Environmental Clearance for the period of April 2025 – September 2025 is being submitted.

The project proponent has executed mine lease for an area of 8.7668 ha. on 20-06-2023 and the quarrying operation was started in 20-07-2023.

COMPLIANCE REPORT
(SPECIFIC CONDITIONS)
PART A

PART - A – SPECIFIC CONDITIONS

01	The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.	Complied
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The project proponent conducts quarrying as per the approved Mining Plan and adheres to the Kerala Minor Mineral Concession Rules, 2015 (with amendments). To ensure supervision and compliance, the PP has employed a Second-Class Manager, Foreman, and Mate for the mine lease area. Details of the mining site and qualified personnel are provided in the attached Annexure and Plate.

02	The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.	Complied
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The mining lease between the Project Proponent and the Government of Kerala was executed on 20-06-2023. Prior to commencing mining operations, the PP submitted a copy of the lease order to SEIAA. This document is also attached with the Half-Yearly Compliance Report (HYCR).

03	The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.	Agreed to Comply
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The Project Proponent has been scrupulously following the EC conditions stipulated in the EC order.

04	Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years	Complied
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The Project Proponent has planted various tree saplings within the 7.5-meter buffer zone. Laborers have been deployed to nurture and maintain these saplings. A geotagged photograph of the green belt is attached as Plate.

05	The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.	Complied
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The Project Proponent has provided silt traps, a siltation pond, and an overflow channel at the project site. A garland canal has also been built to manage storm water. All silt is retained within the project land, and only cleared water is discharged. A photograph of the siltation trap and drainage system is provided in **Plate No.1**.

06	The garland drains along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.	Complied
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The Project Proponent has engaged labourers for regular de-siltation and cleaning of the garland drain, silt traps, siltation tank, and outflow channel. No wastewater is discharged into public drains or streams. All storm water is clarified before being released from the proponent's premises. A geotagged photograph is attached with the Half-Yearly Compliance Report.

07	The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.	Being Complied
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Blasting operations commenced in July 2023. Vibration monitoring is being conducted at regular intervals at the nearest houses and built structures. No built structures exist within a 100-meter radius of the project site. The vibration impact monitoring report is attached as **Annexure.12**

08	Compensatory afforestation should be done with indigenous fruit trees and the geotagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations. The PP committed planting of native trees @ 1:5 for every tree cut from the project area.	Complied
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Project Proponent initiated compensatory afforestation using indigenous fruit tree species. A total of 41 trees were felled within the lease area for mining operations. In compensation, the PP planted 242 fruit tree saplings at the project site. Geotagged photographs of the afforested area are attached in the Half-Yearly Compliance Report as **Plate No.2**.

Sl. No	Name and Number of Sapling	Sl. No	Name and Number of Sapling
01	Mango – 55	06	Pappaya – 49
02	Njaval – 36	07	Custard Apple - 05
03	Jackfruit – 14	08	Amla – 02
04	Chickoo – 10	09	Pomogranite – 10
05	Lemon – 05	10	Guava – 10
11	Cashew tree - 25		

09	Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).	Complied
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Transportation from the project site is restricted in accordance with stipulated conditions. No vehicle is allowed to exit the site between 8:00 AM to 10:00 AM and 3:30 PM to 5:00 PM. This schedule is strictly followed by the Project Proponent.

10	Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.	Being Complied
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The Project Proponent submitted a letter of interest to the Grama Panchayat expressing intent to implement CER activities as outlined in the Environmental Clearance order. Although the Grama Panchayat is considering changes to the proposed activities, the PP has already executed CER works amounting to ₹8,00,263. These include recharge of 30 wells Installation of a 5KW solar panel at Perumani UP School Provision of solar streetlights. Details and supporting documents are attached as Annexure. The PP has committed to maintaining these CER activities until mine

closure. Additionally, ₹53,000 has been spent during this period to promote education, environmental awareness, and cultural initiatives. Receipts are also included in the Annexure. Additionally the proponent had spent ₹ 3,15,875 during the reporting period.

11	As there are two more working quarries working within 500 Mts. distance from the project site, all the mitigation plans suggested in the Environmental Management Plan derived based on the EIA should be implemented for the entire area in consultation with other project proponents. An Environmental Monitoring Cell should be constituted for the entire area by incorporating all the quarry owners and the compliance of this direction shall be included in the HYCR.	Being Complied
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The Project Proponent has initiated implementation of all mitigation measures and the Environmental Management Plan (EMP) as outlined in the EIA report for the entire project area. An Environmental Monitoring Cell has been constituted, comprising all quarry owners in the region. The minutes of the meeting are included in this compliance report as **Annexure No.1**.

12	All the concerns expressed during the Public Consultation process should be addressed without fail and it has to be mentioned in the half yearly compliance report.	Being Complied
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The concerns raised during public consultation are being addressed diligently. To control dust emissions, the Project Proponent has installed multiple sprinklers and mist systems across the project site. Transportation activities are restricted during school hours and peak traffic times to minimize public inconvenience.

13	As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the	Being Complied
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	project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.	
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The Project Proponent submitted a letter of interest to the Grama Panchayat to implement the Corporate Environment Responsibility (CER) activities outlined in the Environmental Clearance (EC) order. A copy of this letter is attached as **Annexure No.2**. Despite proposed changes by the Grama Panchayat, the PP has executed CER activities worth ₹8,00,263, which include Recharge of 30 wells Installation of a 5KW solar panel at Perumani UP School Provision of solar streetlight Details and supporting documents are attached as Annexure. The Environmental Management Plan (EMP), as recommended in the EIA report, is being implemented in consultation with the Local Self Government. A copy of the approved EMP has been submitted to the Grama Panchayat. Photographs of the installed solar streetlights are attached as Plate.

14	In the wake of occurrence of large-scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non-Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.	Complied
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The Project Proponent employs NONEL (Non-Electric Delay) technology for blasting operations to minimize ground vibrations. All blasting activities are carried out under the supervision of qualified personnel to ensure safety and prevent any untoward incidents.

15	Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.	Complied
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To control fly rocks and suppress dust during blasting operations, the Project Proponent uses blasting mats within the mine lease area. These activities are carried out under the supervision of qualified personnel to ensure safety and compliance.

16	<p>Authority noticed including this quarry, there will be five quarries covering about 22 Ha area within 500 m radius. There are many crushers also working in this area. Combined impact of quarries and crushers on the environment is to be studied in detail and an environment management plan has to be prepared for treating the whole area. The Project Proponent will take the responsibility of preparing EMP with the support of other quarry owners for treating the whole area, through a recognized and other quarry owners will share the cost involved in preparation of EMP. The EMP shall be approved by SEAC. All the quarry owners will carry out the activities proposed in the EMP in their respective quarries and meet the expenditure. All the quarry owners shall mention the action taken to implement the EMP activities in their respective half yearly compliance report.</p>	Being Complied
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The Project Proponent has formed an Environmental Monitoring Cell (EMC) comprising all quarry owners within a 500-meter radius of the quarry project. A meeting of the EMC was convened to discuss future actions, and the minutes are attached. The Environmental Management Plan (EMP) proposed in the EIA report has been approved by SEAC and SEIAA. Implementation of EMP activities is underway, and the Action Taken Report is included in the Half-Yearly Compliance Report.

17	<p>As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.</p>	Noted for compliance
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Following mineral extraction, the Project Proponent will carry out restoration activities using stacked overburden (OB) and topsoil within the mine lease area. A Progressive Mine Closure Plan will be implemented to promote the regeneration of fodder, flora, and fauna, ensuring ecological recovery and sustainability.

18	The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.	Noted for compliance
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The PP is being implemented all conditions stipulated in the EC order.

COMPLIANCE REPORT
(GENERAL CONDITIONS)
PART B

PART – B – GENERAL CONDITIONS

01	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.	Complied
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The Project Proponent has submitted a notarized affidavit to SEIAA, affirming that all conditions stipulated in the Environmental Clearance (EC) will be strictly followed. The affidavit includes the EC proceeding number and date. A copy of the affidavit is attached as **Annexure No.3**.

02	All the statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives. Copies of all statutory clearances shall be submitted along with First Half Yearly Compliance Report.	Complied
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The Project Proponent has secured all required statutory clearances, including the mining lease from the Department of Mining and Geology. A summary of these clearances is provided in the table below, with supporting documents attached as **Annexures 4 to 10**.

Sl. No	Clearances	Issuing Authority	Issue date
01	Environmental Clearance	SEIAA	11-10-2022
02	Consent for Operation	KSPCB	04-11-2022
03	Explosive License	PESO	02-08-2022
04	Panchayat License	Grama Panchayat (Mazhuvanoor)	25-02-2025
05	Panchayat License	Grama Panchayat (Vengola)	29-03-2025
06	Proceeding order -Quarrying lease	Department of Mining and Geology	12-06-2023
07	Lease Deed	Department of Mining and Geology	20-06-2023

03	The project proponent should advertise in newspapers that the project has been accorded Environmental Clearance and copies of clearance letters are available in the Office of State Environment Impact Assessment Authority (SEIAA) and on the website of the Authority at www.seiaakerala.in . The advertisement should be in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language. The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.	Complied
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The Project Proponent published advertisements in two widely circulated local newspapers within the stipulated timeframe, including one in Malayalam. Additionally, a copy of the Environmental Clearance (EC), signed on all pages, has been submitted to SEIAA. This document is attached as **Annexure No.11**.

04	The proponent shall send a copy of the EC to concerned Grama Panchayat/ 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 uploaded on the website of the company.	Complied
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The Project Proponent has submitted copies of the Environmental Clearance to both Mazhuvanoor and Vengola Grama Panchayats. Copies of the respective Panchayat licenses are attached as **Annexure Nos. 6 and 7**. Additionally, the EC has been uploaded to the company's official website for public access.

05	The lease area shall be fenced with barbed wire to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, markings, etc.) shall be conspicuous and maintained at all times.	Complied
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The Project Proponent has installed fencing around the proposed mine lease area to ensure site security and compliance. Each boundary pillar has been clearly marked with its respective latitude, longitude, and pillar number. These markings will be maintained at all times. Additionally, signboards will be installed at appropriate locations for visibility and awareness. A photograph of the fencing is attached as **Plate No.3.**

06	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 size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	Complied
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Environmental Clearance (EC) details have been prominently displayed on a metallic board measuring 3 ft x 3 ft. The board features a green background with yellow lettering in Times New Roman font, with a minimum font size of 40 for clear visibility. Additionally, a signboard indicating the extent of the lease area and boundary details will be installed at the entrance of the quarry. A photograph of the EC board is attached as **Plate No.4.**

07	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.	Complied
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Explosives are securely stored in a licensed magazine located in an isolated area to ensure safety. The Project Proponent has obtained the necessary explosive license, which is attached as Annexure. To prevent fly rock during blasting operations, blasting mats are consistently used.

08	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.	Complied
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To ensure safety and awareness, the Project Proponent has installed a warning alarm at the project site to alert both the public and workers prior to blasting activities.

Additionally, the scheduled blasting times are clearly displayed on a board at the site. A photograph of the siren is attached as **Plate No.5**.

09	Access roads to the quarry shall be black topped to contain dust emissions that may arise during transportation of materials. The transportation of minerals should be done in covered trucks to contain dust emissions.	Complied
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To minimize dust emissions during mineral transportation, the Project Proponent has tarred and tiled the access road leading to the project site. Additionally, all mineral transport is carried out using covered trucks to effectively contain and suppress dust.

10	A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the chairmanship of a Senior Executive, who will report directly to the Head of the Organization. The Cell should have representative of Biodiversity Management Committee of the Panchayath and a representative of NGO, if any active in the area. The EMC should meet at least once in six months and review the activities and minutes should be a part of the compliance report.	Complied
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The Project Proponent has established a dedicated Environment Monitoring Cell (EMC) for the quarrying project, which commenced in July 2023. An invitation was extended to the representative of the Biodiversity Management Committee of the Grama Panchayat to participate in the EMC. The Cell convenes biannual meetings to review environmental activities and compliance. The minutes of the latest meeting are included in the Half-Yearly Compliance Report as **Annexure No.12**.

11	Quarrying has to be carried out as per approved mining plan with the suggestions from SEAC incorporated and following KMMC rules 2015 and the Amendments thereby.	Complied
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Mining activities are being conducted in accordance with the approved mining plan. The Project Proponent (PP) has incorporated the provisions of the Kerala Minor Mineral Concession (KMMC) Rules, 2015 along with its subsequent amendments.

12	The quarrying operation (Blasting) shall be restricted between 7 AM and 5 PM.	Complied
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Quarrying operations involving blasting are strictly restricted to the hours between 7:00 AM and 5:00 PM. To ensure public awareness and safety, a board displaying the designated blasting times has been prominently installed at the quarry project site.

13	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Complied
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The Project Proponent has constructed a rainwater harvesting pond within the project site. Collected rainwater is utilized for dust suppression, crushing operations, and gardening, promoting efficient water use. Additionally, solar panels have been installed to support renewable energy usage and reduce dependence on conventional power sources.

14	Maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining should not be deeper than the local ground water table. No mining operations should be carried out at places having a slope greater than 45°.	Complied
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In compliance with SEAC's directives, the Project Proponent has revised the mining plan to reduce the depth of excavation. The updated plan has been approved by the Department of Mining and Geology. The mining operations is strictly confined to levels above the local groundwater table to prevent any adverse environmental impact.

15	The height of any bench shall not exceed five meters and breadth shall not be less than the height.	Complied
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The mining operations has been conducted in strict adherence to the approved mining plan. Each bench within the quarry is designed with a maximum height of five meters, and the breadth of each bench is maintained at a minimum equal to its height to

ensure stability and safety. All activities are carried out under the direct supervision of a qualified Mines Manager.

16	The Project proponent shall ensure that no perennial or intermittent natural water course and/or water resources are obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	Complied
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The project site does not contain any perennial or intermittent natural watercourses or water resources. To effectively manage stormwater runoff, the Project Proponent has constructed appropriate drainage systems within the site, ensuring safe and controlled water flow during rainfall events.

17	A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.	Complied
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The Project Proponent has ensured that adequate buffer distances are maintained from all critical features surrounding the project site. This includes nearby dwelling units, forest boundaries, ecologically sensitive zones, and archaeologically important areas. All prescribed setback norms and spatial guidelines are being strictly followed to minimize environmental and social impacts.

18	The proponent should plant seedlings at least 5 times of the loss of trees that has occurred while clearing the land for the project and follow planting measures as suggested by SEAC. Suitable avenue trees should be planted along the sides of the approach road and internal roads and open parking areas, if any. Preference should be given to endemic native and fruit bearing species. Planting in buffer areas should be taken up beforehand. Proper upkeep and maintenance of planted seedlings shall be	Complied
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	ensured by the project proponent.	
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The Project Proponent has undertaken afforestation efforts by planting a variety of tree saplings within the project site. A designated area has been identified specifically for compensatory plantation. To ensure the healthy growth and survival of the planted seedlings, dedicated laborers have been deployed for their regular upkeep and maintenance. A photograph documenting the plantation activities is included in the Half-Yearly Compliance Report (HYCR).

19	The proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broadleaved plants.	Complied
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The Project Proponent has planted saplings within the buffer zone surrounding the mine lease area. The existing vegetation in the 7.5-meter buffer zone has been carefully preserved to maintain ecological balance. A photograph showcasing the newly planted saplings in this zone is attached as **Plate No.6**.

20	Eco-restoration including the closure of mine as per the progressive closure plan and final closure plan shall be done at the cost of the project proponent. This eco-restoration should follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystems. Overburden materials should be managed within the site and used for reclamation of mined pit as per mine closure plan / specific conditions.	Noted for Compliance
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The overburden removed from the project site during its operational period will be staked in a designated place and will be used for eco restoration in the mined-out area. The eco restoration and mine closure plan will be done at the own cost of the project proponent. The available scientific standard will be followed.

21	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with suitable indigenous plant species, if no other specific	Noted for Compliance
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	condition on reclamation of pit is stipulated in the E.C. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	
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The Project Proponent has committed to remaining 10% of the total excavated pit area as a dedicated water storage zone, contributing to long-term water conservation and site sustainability. The remaining excavated area will be reclaimed through systematic stacking of overburden and topsoil, followed by plantation of suitable indigenous plant species. Continuous monitoring and management of these rehabilitated zones will be undertaken until the vegetation reaches a self-sustaining stage.

22	Control measures on noise and vibration prescribed by KSPCB should be implemented. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	Complied
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To reduce noise and vibration the project proponent follows the measures prescribed below

1. NONEL technique is being used for blasting operation
2. Development of Green belt around the mine lease area
3. Quarrying operation during day time only
4. Regular maintenance of machineries

23	Periodical monitoring of the vibration at specified location (preferably at a distance of 50 m and 100 m) to be conducted and records kept for inspection. This could also form a part of the compliance reports.	Complied
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The Project Proponent has been conducting vibration monitoring at designated locations as specified in the environmental clearance conditions. The monitoring data is systematically recorded and maintained at the site office. These records are also incorporated into the Half-Yearly Compliance Report. The results of vibration monitoring conducted within a 100-meter radius are attached as **Annexure No. 12**.

24	Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 25 kmph to prevent undue noise from	Complied
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	empty trucks.	
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To mitigate noise pollution caused by empty trucks, the Project Proponent has enforced a strict speed limit of 25 kmph for all trucks entering and exiting the mine site.

25	Acoustic enclosures should be provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standard limit indicated by CPCB/KSPCB.	Complied
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The crusher unit is enclosed with solid brick structures to reduce noise. DG sets have acoustic enclosures. Tree saplings are planted for natural sound buffering. Noise levels are regularly monitored by an approved laboratory.

26	Blasting should be done in a controlled manner using NONEL technique as specified by the regulations of Petroleum and explosive safety organization (GOI) or any other concerned authorized agency. A licensed person should supervise/ control the blasting operations.	Complied
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A qualified Mines Manager has been appointed by the Project Proponent to oversee and monitor all blasting and mineral extraction activities. The blasting operations are carried out using NONEL (Non-Electric Delay) technology, which enhances safety and precision during controlled explosions.

27	Measures should be taken for maintaining noise levels below 85 dBA in the work environment.	Complied
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To reduce noise and vibration the project proponent will follow the measures prescribed below

1. NONEL technique is being used for blasting operation
2. Development of Green belt around the mine lease area
3. Work during day time only
4. Regular maintenance of machineries
5. Scientific preparation of blasting holes and its pattern
6. Ear plug has provided for labours

7. Closed cabin is provided to the vehicles

28	Project proponent should obtain necessary prior permission of the competent authorities for drawing requisite quantity of surface water and ground water for the project.	Noted for Compliance
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As the project site falls within a 'safe zone' as classified by the Central Ground Water Authority (CGWA), obtaining prior permission for drawing surface and groundwater is not required. To promote sustainable water use, the Project Proponent has developed a rainwater harvesting pond within the site. The harvested water is utilized for crushing operations and other project-related activities.

29	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six-monthly compliance reports to SEIAA.	Noted
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There are no springs and perennial nallahs flowing in and around the mine lease area. The natural drain is being maintained for free flow of the surface runoff.

30	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps, to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, and for green belt development etc. The drains shall be regularly desilted and maintained properly, particularly after monsoon.	Complied
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The Project Proponent has constructed catch drains and siltation ponds within the project site to manage stormwater and sediment control. Additional infrastructure is planned to enhance the de-siltation process. Rainwater collected in these structures is effectively utilized for dust suppression, green belt development, and crushing operations. Regular desilting of the drains and settling ponds is carried out to maintain their efficiency. Photographs of these facilities are attached as plates.

31	Regular monitoring of ground water level and quality shall be carried out around the mine area during mining operation. If any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.	Being Complied
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The Project Proponent has designated an observation well to monitor groundwater levels at the project site. Water quality assessments are regularly conducted by an approved laboratory. In the event that mining activities are found to cause depletion of the groundwater table, appropriate corrective actions will be promptly implemented to mitigate the impact.

32	Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.	Complied
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The Project Proponent has installed garland drains and silt traps along the slopes surrounding the core area to effectively channelize stormwater. A dedicated laborer is assigned to regularly desilt the garland drains, settling ponds, and de-siltation traps. The PP ensures that only clear water, meeting the standards prescribed by the Central Pollution Control Board (CPCB), is discharged from the project site.

33	In the case of any change(s) in the scope of the project, extent, quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which the E.C was issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority. In the case of transfer of ECs, the matter shall be intimated and get the approval from the Authority as per the existing norms.	Noted for Compliance
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The Project Proponent affirms that a fresh Environmental Clearance will be obtained if there is any proposed change in the scope of the project, including alterations in extent or production capacity. Currently, there are no plans to transfer the EC or modify the scope of the project.

34	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.	Being Complied
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All stipulations and provisions under different Acts and Notification in connection with mining sector is being followed.

35	The top soil, if any, shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained at 45 ^o . The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geo textile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.	Complied
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The Project Proponent deposits overburden (OB) and topsoil in designated areas for future reclamation of mined-out zones. Dumping is executed scientifically to prevent sliding, adhering to specified slope, height, and width conditions. Stabilization measures include the use of geotextiles, plantation of grass and native floral species, and construction of retaining walls. A photograph of the dumping area with retaining wall is attached as **Plate No.7**.

36	All the mining equipment used in Mining like backhoe loaders and excavators cause pollution and hence shall be serviced regularly & maintained for their efficient functioning and for reducing pollution. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.	Complied
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The Project Proponent conducts regular maintenance of all machinery to ensure efficient operation and minimize pollution. Disposal of spent oil is carried out in accordance with applicable environmental rules and regulations, ensuring safe and compliant waste management practices.

37	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking center. Washing of all vehicles shall be inside the lease area.	Complied
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All vehicles used for material transportation possess valid Pollution Under Control (PUC) certificates issued by authorized pollution checking centers. Regular pollution checks are conducted to ensure compliance. Vehicle washing is carried out within the premises of the Project Proponent maintaining site hygiene and environmental standards.

38	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points and transfer points and having high levels of PM ₁₀ and PM _{2.5} . Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.	Complied
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To mitigate air pollution, the Project Proponent conducts regular water sprinkling in critical dust-prone areas such as haul roads, loading/unloading zones, and transfer points locations known for elevated PM₁₀ and PM_{2.5} levels. Ambient Air Quality Monitoring is carried out in accordance with the Central Pollution Control Board (CPCB) Notification of 2009, as amended from time to time, ensuring compliance with national air quality standards.

39	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and unloading and at transport points should be provided and properly maintained.	Complied
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The PP has installed roadside sprinklers, mist spray systems near the crusher, and deployed a mobile sprinkling vehicle to suppress dust across the mine lease and critical areas.

40	Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to Environmental stability of the Project region. The activities carried out under CER should be a part of the half yearly compliance report. The certificates from the beneficiaries, if the CER part is completed should also be submitted to the State Environment Impact Assessment Authority (SEIAA) along with year wise expenditure.	Being Complied
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The PP started to implement activities committed under CER. The date wise expenditure is being mentioned in the Half Yearly Compliance Report. The PP has executed CER activities of Rs. 8,00,263 from April 2024 to September 2024 including 30 well recharge, 5KW Solar Panel to Perumani UP School, solar Streetlights etc. The details of the activities and some of the proof as attached as **Annexure No.13**. The PP has installed 6 solar streetlights, 20 well recharge and revived the Cheenikuzhi pond. The PP has spent Rs. 11,40,000 for these activities in October 2024 to March 2025. The Photograph of solar street lights and Cheenikuzhi pond is attached as **Plate No.8**.

41	The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.	Complied
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The Project Proponent has ensured the provision of adequate personal protective equipment (PPE) for worker safety. Additionally, essential welfare facilities such as food, shelter, and first aid are made available at the project site.

42	The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.	Complied
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The Project Proponent has secured insurance protection for all skilled and unskilled laborers working within the mine lease area, ensuring financial safety and welfare in case of occupational hazards.

43	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. The report of health surveillance programme should be included in the half yearly compliance reports.	Complied
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To know the health status of each labours working in the mine lease area, the PP has conducted occupational health surveillance program of the workers in association with health service providers.

44	The pits in the abandoned quarries and in the mined area shall be used for activities like water harvesting, aqua culture etc. in an ecofriendly manner.	Complied
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The Project Proponent has repurposed pits in abandoned quarries as rainwater harvesting ponds and for aquaculture activities. This sustainable approach promotes water conservation and supports biodiversity in an environmentally responsible manner.

45	If Government land is partly or fully used for mining, the area shall be returned at the end of lease period after mine closure with separate demarcation with suitable survey marks	No Govt. Land involved
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The instant project, extract the minerals from privet own land. There is no Govt. Land included in the EC obtained area.

46	Any accident occurring in the mined-out area after the lease period due to negligence in carrying out safety measures and non-closure, will lead to suspension of all EC obtained for mining by the Proponent.	Noted
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The Project Proponent has enforced comprehensive safety measures across the project site. The Environmental Management Cell (EMC) actively monitors these measures and provides recommendations for further enhancement. Bench-wise mining is practiced to improve operational safety within the mine lease area. A photograph of the maintained benches is attached as **Plate No.9**.

47	In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.	Noted to be Complied
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Currently, there is no proposal to transfer the Environmental Clearance (EC). If the Project Proponent decides to initiate a transfer in the future, the State Environmental Impact Assessment Authority (SEIAA) will be duly informed and necessary approvals will be obtained.

48	The proponent shall submit Half Yearly Compliance Reports (1 st of June & 1 st of December) 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 be simultaneously sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA). The proponent has to submit Environmental statement in form V of Environment (Protection) Rules 1986 to SPCB on 31 st March every year.	Complied
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The Project Proponent submits the Half-Yearly Compliance Reports on time to the Regional Office of the Ministry of Environment, Forests and Climate Change (MoEF&CC), Government of India, and to the State Environment Impact Assessment Authority (SEIAA). These reports are also uploaded on the PP's official website for public access. Additionally, Form V is submitted annually to the State Pollution Control Board (SPCB) by the end of March. Monitored environmental data is provided in **Annexures No. 14, 15, and 16.**

49	The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & CC located at Bangalore/SEAC/SPCB/CPCB/dept of Mining and Geology, while monitoring compliance of the stipulated conditions, by furnishing the requisite data/information/monitoring reports.	Agreed to be Complied
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The Project Proponent will extend full cooperation to officials from the Regional Office of MoEF&CC (Bangalore), SEAC, SPCB, CPCB, and the Department of Mining and Geology during compliance monitoring. All requisite data, information, and monitoring reports will be furnished as required to ensure transparency and adherence to stipulated conditions.

50	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.	Noted
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The PP gives importance to the conditions stipulated in the EC to be implemented.

51	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.	Noted
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The PP will implement, if the additional conditions is being imposed by the authority.

52	The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.	Noted
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The condition is noted and agreed to comply.

53	The Environmental Clearance will be subject to the final order of the courts on any pending litigation related to the land or project, in any court of law.	Noted
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There are no pending legal cases concerning the project land in any court. The Project Proponent affirms that any court orders related to the project will be fully complied with.

54	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
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There is no appeal against the Environmental Clearance at NGT till date.

55	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
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The PP did not conceal any fact to obtain Environmental Clearance. All data submitted at Authority is factual.

56	The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or any of the above conditions. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.	Noted
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The PP will implement all conditions stipulated in the EC. The right of the SEIAA on alter / modify the conditions stipulated in the EC is noted.

57	As per regulation no. 106(2) of metalliferous mines regulation under Mine act, the height of any bench shall not exceed six meters and breadth shall not be less than the height.	Complied
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The Project Proponent is extracting minerals through bench formation in accordance with relevant rules, guidelines, and the approved mining plan. To ensure safe and regulated operations, qualified personnel have been appointed to oversee blasting and mining activities within the mine lease area. Certificates of the Mines Manager, Foreman, and Mines Mate are attached as **Annexures No.17, 18, and 19.**

PLATES

Plate No. 1



Drainages and siltation trap

Plate No. 2



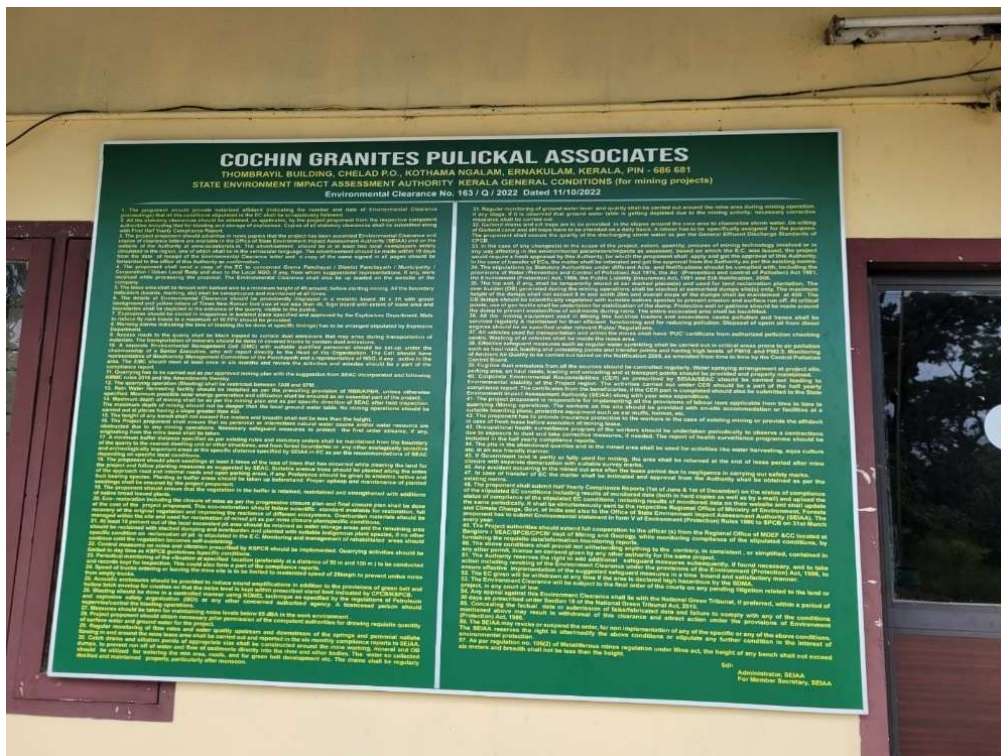
Afforestation area

Plate No.3



Fencing provided around the lease area

Plate No. 4



EC board

Plate No.5



Warning Alarm

Plate No.6



Plantation at 7.5-meter buffer

Plate No.7



Dumping area with Retaining wall

Plate No.8



Solar Street lights



Cheenikuzhi Pond before

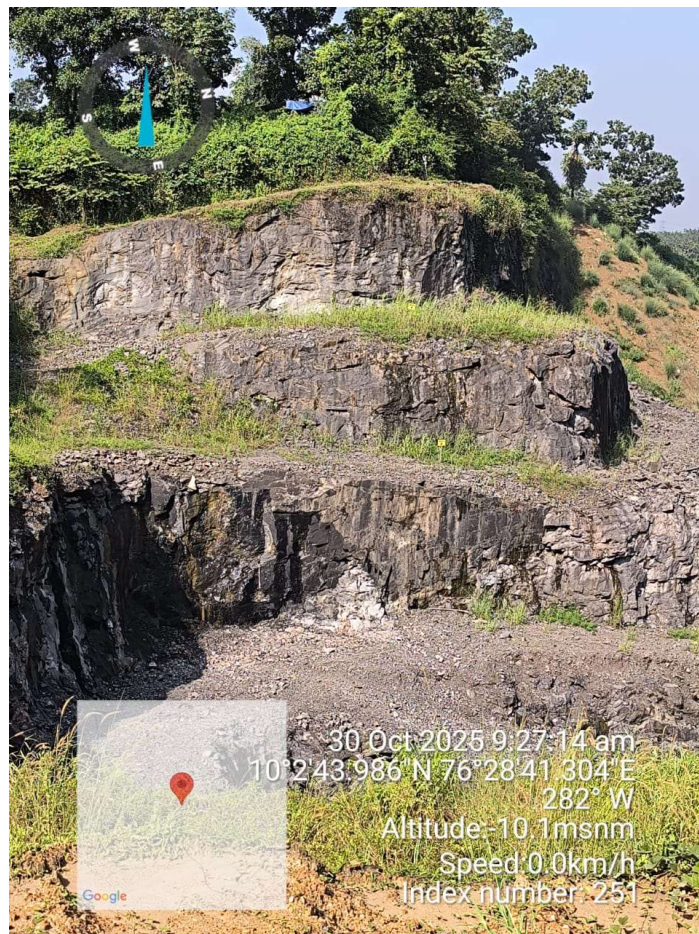


Cheenikuzhi pond after CER activity



CER activities

Plate No.9



Bench wise mining


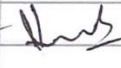

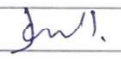
ANNEXURE

ANNEXURE No.1

31

MINUTES OF THE MEETING OF THE EMC OF COCHIN GRANITES PULICKAL ASSOCIATES HELD AT IT'S PLANT OFFICE AT CHEENIKUZHY AT 2 P.M ON - 16-09-2025

The seventh meeting of the Environment Management Cell (EMC) of the Cochin Granites Pulickal Associates (CGPA) was held at 2PM on-16-09-2025. Under the Chairmanship of Mr. Eldhokuvilla, Managing Partner, CGPA to discuss about the progress of measures that was done and further activities we have to do in the project site. The quarry activities are doing in the basis of approved mining Plan by keeping all the statutory in ON. The following members of the EMC were present in the meeting.

Sl-No.	Name of the Personnel Present	Designation	Signature
1	Eldhokuvilla, Managing Partner	Chairman	
2	Thampi Senan, Group General Manager	Member	
3	Remashkumar P, General Manager	Member	
4	Jomon, EIA, Co-ordinator	External Member	

Discussions made by all members to follow strictly the mining activities as per the Mining Plan. Taken proper discussions and attentions for nurturing the saplings that planted in 7-5m to buffer zone and reforestation Area. Blasting Vibration study is taking in regular intervals and filing the report in our office.

1033

Taken proper preparatory for submitting the Compliance report on time.

The following CER activities approved by SEIAC Completed in balance of the previous half year

Bottle booth (16 No's) installed in Mazhuvannor Panchayat to support the collection of re-cycled paper. Happiness park project is in due for approval from SEIAC.

Remesh Kumar thanked the Members

The meeting concluded at 3PM on-16-09-2025

Minutes of Cluster EMC

Annexure No.2

COCHIN GRANITES PULICKAL ASSOCIATES

Registered Office : Thombrayil , Chelad P.O., Kothamangalam, Ernakulam Dist.
Kerala, Pin : 686 681, Land Phone : 0484 - 2308020, Mob : 9447707173
E-mail : cghomail@gmail.com



ELDHO KURUVILA
MANAGING PARTNER

Date: 21.03.2024

The Secretary,
Mazhuvannoor Grama Panchayat
Mazhuvannoor

Dear Madam,

Sub: Utilization Plan for CER funds

Ref:1. Meeting held at your conference hall to discuss about CER activities

2: Your Letter No: 5269/2023 dated 29.02.2024

As we have informed to you in our above referred meeting at your conference hall ,we have set apart a fund of Rs. 24.5 lakhs for our CER activities in Mazhuvannoor Panchayat .The breakup of the CER fund utilization is as follows;

Sl No.	Head of CER Expenditure	Amount in Rs in Lakhs
1	Revival of Cheenikuzhy Pond	5
2	Recharge – 30 Wells	7.5
3	Solar High Mast Lights 12 Nos	12
	Total	24.5

The budget is prepared in line with the instruction given by State Environment Impact Assessment Authority, Kerala. The above CER funds will be utilised before 30th June 2025.Out of the above, we are proposing to utilise Rs 12.5 lakhs before 31st March 2024.The proposal breakup plan of the expenditure is as follows;

1. Solar High Mast Lights (10 nos) Rs 10lakhs
2. Water harvesting well Recharge 10 wells Rs 2.5 lakhs

We request you to kindly co-operate with us to make the CER activities beneficial to the general public of Mazhuvannoor. In this regard, we request you to inform us of the locations apt for the installation of 10 Nos of Solar High Mast Lights & locations for 10 Nos of well – recharge. Kindly inform us of the same for us to initiate these works.

Thanking You,
Sincerely Yours

For * Eldho Kuruvilla
Managing Partner



Cheenikuzhy, North Mazhuvannoor P.O., Perumbavoor, Ernakulam Dist., Kerala State - 686 669
Mob : 8606454344, E-mail : cgpassociates@yahoo.com

Letter to Grama Panchayat

Annexure No.3



കേരളം കേരल KERALA

DS 917092

AFFIDAVIT

I, Eldho Kuruville, aged 44, S/o of T U Kuruville, Managing partner and Authorized signatory of M/s Cochin Granites Pulickal Associates having our correspondence address at Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam, Kerala, Pin: 686681, do hereby affirm and confirm as follows:-

1. That, we propose to develop an expansion of existing Building Stone Mine (Quarry, Minor Mineral Mining) project at Re-Survey No. 283, 282/3-1, 282/3- 3pt. of Mazhuvannoor Village & 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 (Block No: 28) of Arackappady Village, Kunnathunad Taluk, Ernakulam, Kerala for an area of 8.7668 Ha.



For Cochin Granites Pulickal Associates

[Signature]
Managing Partner



DS 20487
14-10-2022

M.R. Padmanabhan
M. R. PADMANABHAN
High Court Stamp Vendor
ERNAKULAM
massive partner cochin granites pulickal associates.
Chelad. P.O.



കേരളം KERALA

DS 917093

- 2. That, the Environmental Clearance proceedings number and date are EC Identification No. EC22B001KL180424 & File No. 1392/EC2/2019/SEIAA dated 11.10.2022.
- 3. That, all the conditions stipulated in the Environmental Clearance would be scrupulously followed.

For Cochin Granites Pulickal Associates

[Signature]

DEPONENT
Managing Partner

Verification :

Verified that my above statements are true to the best of my knowledge and belief and nothing material has been concealed therein.

For Cochin Granites Pulickal Associates

[Signature]
DEPONENT

Managing Partner

Place : Ernakulam
Date : 14.10.2022

[Signature]
14/10/2022

JIBY G. J
ADVOCATE & NOTARY
CHAMBER No. 237
INDIA CHAMBER COMPLEX
HIGH COURT BUILDINGS
ERNAKULAM - 682 031. Mob. 9846189595



[Signature] MANASSIS P. PADMANABHAN Pulickal associates.
M. R. PADMANABHAN Pulickal associates.
Court Stamp Vendor
ERNAKULAM
[Signature] Chokk. p. or

26488
14.10.2022

Copy of Affidavit

ANNEXURE No.4

**PROCEEDINGS OF THE
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY – KERALA, THIRUVANANTHAPURAM**

*(Present: Dr. H. Nagesh Prabhu IFS (Retd), Chairman, Shri. K. Krishna Panicker,
Member, Dr. V. Venu IAS, Member Secretary)*

Sub: SEIAA - Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Eldho Kuruvilla, Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam, Kerala. - Granted – Orders issued.

**State Level Environment Impact Assessment Authority,
Kerala**

Proposal No. SIA/KL/MIN/144152/2020

File No. 1392/EC2/2019/SEIAA

- Ref: 1. Application from Sri. Eldho Kuruvilla, Managing Partner, M/s Cochin Granites Pulickal Associates received on 20/02/2020.
2. Minutes of the 130th meeting of the SEAC held from 4th to 06th July, 2022.
3. Minutes of the 117th SEIAA meeting held on 30th & 31st August 2022.
4 G.O (Rt.) No.29/2019/Env dt.12.04.2019.

ENVIRONMENTAL CLEARANCE NO. 163/Q/2022

Sri. Eldho Kuruvilla, Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam, Kerala., submitted an application for Environmental Clearance via PARIVESH on 20/02/2020 for the Granite Building Stone Quarry Project for an area of 8.7668 Ha. in Re-Survey Nos. 283, 282/3-1, 282/3- 3pt. of Mazhuvannoor Village & in Re Survey Nos. 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 (Block No: 28) of Arackappady Village, Kunnathunad Taluk, Ernakulam, Kerala. The project details are as follows:



**Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Kerala)**

To,

The MANAGING PARTNER
COCHIN GRANITES PULICKAL ASSOCIATES
THOMBAYIL BUILDING, CHELAD P.O., KOTHAMANGALAM,
ERNAKULAM, KERALA-686682 -686682

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/KL/MIN/144152/2020 dated 22 May 2020. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. EC Identification No. | EC22B001KL180424 |
| 2. File No. | 1392/EC2/2019/SEIAA |
| 3. Project Type | Expansion |
| 4. Category | B2 |
| 5. Project/Activity including Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Expansion of Existing Building Stone Mine (quarry) project of M/s Cochin Granites Pulickal Associates at Survey Nos. 283, 282/3-1, 282/3-3pt of Mazhuvannoor Village and Survey Nos. 284/1-2, 284/1-3, 2 |
| 7. Name of Company/Organization | COCHIN GRANITES PULICKAL ASSOCIATES |
| 8. Location of Project | Kerala |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 11/10/2022

(e-signed)
Dr. Venu V IAS
Member Secretary
SEIAA - (Kerala)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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SL. No.	Particulars	Details
1	Name of the Project	Granite Building Stone Quarry Project of Sri. Eldho Kuruvilla, Managing Partner, M/s Cochin Granites Pulickal Associates,
2	Proposed Activity	Mining of Granite Building Stone
3	Name of the Sector & Schedule No. (in the EIA Notification, 2006)	Non Coal mining, Activity 1(a), Category B2
4	Name & Address of the Project Proponent	Sri. Eldho Kuruvilla, Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam, Kerala
5	Project Location	
	a) Re-Survey Nos.	283, 282/3-1, 282/3- 3pt. of Mazhuvannoor Village & 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 (Block No: 28) of Arackappady Village
	b) Revenue Village	Mazhuvannoor and Arackappady
	c) Taluk	Kunnathunad
	d) District	Ernakulam
6	Geo Co-ordinates	Latitude 10°02'42.8" N to 10°02'57.4" N Longitude 76°28'32.4" E to 76°28'44.7" E
7	Extent (in Acre/Hectare)	Total 8.7668 Ha. 7.2831Ha. (Mazhuvannoor Village) 1.4837 Ha (Arackappady Village)
8	Project Cost	Rs. 14.22 Crores
9	Production Details	4,50,000 TPA
10	Water Requirement	5 KLD (1 KLD for domestic consumption; 2 KLD for dust suppression and 2 KLD for green belt development).
11	Date of Field Inspection	5-7-2021

CER Details

Sl. No.	Particulars	Amount
1.	a. Revival of Cheenikuzhi Pond b. Well Recharge (50 wells) - Rain Water Harvesting c. Renewable energy (5 kWp solar plant, on grid and 20 solar lights)	Rs. 40 Lakhs

2. In the 130th meeting of the SEAC, the Committee examined the proposal, discussed the field inspection report and evaluated the additional documents submitted by the proponent including the latest Mining Plan on 09.03.2022. The proponent revised the Mining Plan as per the observation made by the SEAC and accordingly the revised estimate of mineable reserve is 23, 14, 378 MT and the revised Life of Mine is 10 years. **The Committee recommended the EC with a validity of 10 years subject to review by SEAC after 5 years through filed verification to ensure that** mining is carried out sustainably as per the EC conditions, with certain Specific Conditions in addition to General Conditions.

3. In the 117th SEIAA Meeting, the Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
- 5. The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
- 6. The garland drain along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
- 7. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 8. Compensatory afforestation should be done with indigenous fruit trees and the geotagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations. The PP committed planting of native trees @ 1:5 for every tree cut from the project area.*
- 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 10. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*

11. As there are two more working quarries working within 500 Mts. distance from the project site, all the mitigation plans suggested in the Environmental Management Plan derived based on the EIA should be implemented for the entire area in consultation with other project proponents. An Environmental Monitoring Cell should be constituted for the entire area by incorporating all the quarry owners and the compliance of this direction shall be included in the HYCR.

12. All the concerns expressed during the Public Consultation process should be addressed without fail and it has to be mentioned in the half yearly compliance report.

13. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

14. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

15. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.

16. Authority noticed including this quarry, there will be five quarries covering about 22 Ha area within 500 m radius. There are many crushers also working in this area. Combined impact of quarries and crushers on the environment is to be studied in detail and an environment management plan has to be prepared for treating the whole area. The

Project Proponent will take the responsibility of preparing EMP with the support of other quarry owners for treating the whole area, through a recognized and other quarry owners will share the cost involved in preparation of EMP. The EMP shall be approved by SEAC. All the quarry owners will carry out the activities proposed in the EMP in their respective quarries and meet the expenditure. All the quarry owners shall mention the action taken to implement the EMP activities in their respective half yearly compliance report.

17. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

18. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

4. Environmental Clearance as per the EIA Notification, 2006 is hereby accorded for the Granite Building Stone Quarry Project of Sri. Eldho Kuruvilla, Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam, Kerala, for an area of 8.7668 Ha, in Re-Survey Nos. 283, 282/3-1, 282/3- 3pt. of Mazhuvannoor Village & Re Survey Nos. 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 (Block No: 28) of Arackappady Village, Kunnathunad Taluk, Ernakulam, Kerala, **initially for a period of 5 years from the date of execution of valid mining lease from the Department of Mining and Geology, as per SO 1807(E) dated 12.04.2022 of MoEF & CC, for the quantity mentioned in the approved Mining Plan, and to be extended to cover the project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions**, subject to the Specific Conditions in Para 3 above, and all the environmental impact mitigation and management measures undertaken by the Project Proponent in the Form I, EMP, PFR and Mining Plan

submitted to SEIAA. The assurances and clarifications given by the proponent will be deemed to be a part of this Proceedings as if incorporated herein. Also the General Conditions for projects stipulated for mining (items 1 to 57), mentioned below will be applicable and have to be strictly adhered to.

5. The Environmental Clearance issued will also be subject to full and effective implementation of all the undertakings given in the Application Form, mitigation measures as assured in the Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application. The above undertakings and the conditions and the undertakings in (Mining), (Blasting), (Mines Drainage), (Stacking of Mineral rejects and Disposal of waste), (Environment Management Plan) & (Progressive Mine Closure Plan) of the Mining Plan as submitted will be deemed to be part of this Proceedings as conditions as undertaken by the proponent, as if incorporated herein.

6. Validity of the Environmental Clearance will be initially for a period of **Five (5) years** from the date of execution of valid mine lease from Mining & Geology Department as per SO 1807(E) dated 12.04.2022 of MoEF & CC, subject to earlier review of EC in case of violation or non-compliance of conditions or genuine complaints from residents within the security area of the quarry. The validity shall to extend to cover the project life of 10 years, as mentioned in para (4).

7. Compliance with the conditions herein will be monitored by the State Environment Impact Assessment Authority or its authorised offices and also by the Regional Office of the Ministry of Environment, Forest & Climate Change, Govt. of India, Bangalore. Necessary assistance for entry and inspection should be provided by the Project Proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring. Instances of violation if any shall be reported to the District Collector, Emakulam.

8. The Half Yearly Compliance Report (HYCRs) with its contents, covering letter, compliance report and environmental monitoring data have to be uploaded in the PARIVESH portal and the website of the Project Proponent. The HYCR with the name of the project, EC No and date & the period of submission should be sent to the Regional Office of MoEF & CC & to SEIAA by email only at email ID rosz.bng-mef@nic.in & seacseiaakerala@gmail.com, respectively. Hardcopy of HYCRs shall not be acceptable.

9. The given address for correspondence with the authorised signatory of the project is Sri. Eldho Kuruvilla, Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam, Kerala.

GENERAL CONDITIONS

1. 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.
2. All the statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives. Copies of all statutory clearances shall be submitted along with First Half Yearly Compliance Report.
3. The project proponent should advertise in news papers that the project has been accorded Environmental Clearance and copies of clearance letters are available in the Office of State Environment Impact Assessment Authority (SEIAA) and on the website of the Authority at www.seiaakerala.in. The advertisement should be in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language. The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
4. The proponent shall send a copy of the EC to concerned Grama Panchayat/ 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 uploaded on

- the website of the company.
5. The lease area shall be fenced with barbed wire to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, markings, etc) shall be conspicuous and maintained at all times.
 6. 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 size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.
 7. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.
 8. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.
 9. Access roads to the quarry shall be black topped to contain dust emissions that may arise during transportation of materials. The transportation of minerals should be done in covered trucks to contain dust emissions.
 10. A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the chairmanship of a Senior Executive, who will report directly to the Head of the Organization. The Cell should have representative of Biodiversity Management Committee of the Panchayath and a representative of NGO, if any active in the area. The EMC should meet at least once in six months and review the activities and minutes should be a part of the compliance report.
 11. Quarrying has to be carried out as per approved mining plan with the suggestions from SEAC incorporated and following KMMC rules 2015 and the Amendments thereby.
 12. The quarrying operation (Blasting) shall be restricted between 7 AM and 5PM

13. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
14. Maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining should not be deeper than the local ground water table. No mining operations should be carried out at places having a slope greater than 45°.
15. The height of any bench shall not exceed five meters and breadth shall not be less than the height.
16. The Project proponent shall ensure that no perennial or intermittent natural water course and/or water resources are obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
17. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.
18. The proponent should plant seedlings at least 5 times of the loss of trees that has occurred while clearing the land for the project and follow planting measures as suggested by SEAC. Suitable avenue trees should be planted along the sides of the approach road and internal roads and open parking areas, if any. Preference should be given to endemic native and fruit bearing species. Planting in buffer areas should be taken up beforehand. Proper upkeep and maintenance of planted seedlings shall be ensured by the project proponent.
19. The proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad

- leaved plants.
20. Eco-restoration including the closure of mine as per the progressive closure plan and final closure plan shall be done at the cost of the project proponent. This eco-restoration should follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystems. Overburden materials should be managed within the site and used for reclamation of mined pit as per mine closure plan / specific conditions.
 21. At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with suitable indigenous plant species, if no other specific condition on reclamation of pit is stipulated in the E.C. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.
 22. Control measures on noise and vibration prescribed by KSPCB should be implemented. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
 23. Periodical monitoring of the vibration at specified location (preferably at a distance of 50 m and 100 m) to be conducted and records kept for inspection. This could also form a part of the compliance reports.
 24. Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.
 25. Acoustic enclosures should be provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standard limit indicated by CPCB/KSPCB.
 26. Blasting should be done in a controlled manner using NONEL technique as specified by the regulations of Petroleum and explosive

- safety organization (GOI) or any other concerned authorized agency.
A licensed person should supervise/ control the blasting operations.
27. Measures should be taken for maintaining noise levels below 85 dBA in the work environment.
 28. Project proponent should obtain necessary prior permission of the competent authorities for drawing requisite quantity of surface water and ground water for the project.
 29. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly compliance reports to SEIAA.
 30. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps, to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, and for green belt development etc. The drains shall be regularly desilted and maintained properly, particularly after monsoon.
 31. Regular monitoring of ground water level and quality shall be carried out around the mine area during mining operation. If any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
 32. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.
 33. In the case of any change(s) in the scope of the project, extent, quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which the E.C was issued, the project would require a fresh appraisal

- by this Authority, for which the proponent shall apply and get the approval of this Authority. In the case of transfer of ECs, the matter shall be intimated and get the approval from the Authority as per the existing norms.
34. 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.
 35. The top soil, if any, shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained at 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geo textile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.
 36. All the mining equipment used in Mining like backhoe loaders and excavators cause pollution and hence shall be serviced regularly & maintained for their efficient functioning and for reducing pollution. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
 37. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking centre. Washing of all vehicles shall be inside the lease area.
 38. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points and transfer points and having high

- levels of PM₁₀ and PM_{2.5}. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.
39. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and unloading and at transport points should be provided and properly maintained.
 40. Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to Environmental stability of the Project region. The activities carried out under CER should be a part of the half yearly compliance report. The certificates from the beneficiaries, if the CER part is completed should also be submitted to the State Environment Impact Assessment Authority (SEIAA) along with year wise expenditure.
 41. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.
 42. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
 43. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. The report of health surveillance programme should be included in the half yearly compliance reports.
 44. The pits in the abandoned quarries and in the mined area shall be used for activities like water harvesting, aqua culture etc. in an eco friendly manner.
 45. If Government land is partly or fully used for mining, the area shall

- be returned at the end of lease period after mine closure with separate demarcation with suitable survey marks.
46. Any accident occurring in the mined out area after the lease period due to negligence in carrying out safety measures and non-closure, will lead to suspension of all EC obtained for mining by the Proponent.
 47. In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.
 48. The proponent shall submit Half Yearly Compliance Reports (1st of June & 1st of December) 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 be simultaneously sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA). The proponent has to submit Environmental statement in form V of Environment (Protection) Rules 1986 to SPCB on 31st March every year.
 49. The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & CC located at Bangalore/SEAC/SPCB/CPCB/dept of Mining and Geology, while monitoring compliance of the stipulated conditions, by furnishing the requisite data/information/monitoring reports.
 50. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.
 51. 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.
52. The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.
53. The Environmental Clearance will be subject to the final order of the courts on any pending litigation related to the land or project, in any court of law.
54. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
55. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
56. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or any of the above conditions. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
57. As per regulation no. 106(2) of metalliferous mines regulation under Mine act, the height of any bench shall not exceed six meters and breadth shall not be less than the height.

Sd/-
Administrator, SEIAA
For Member Secretary, SEIAA

To,
Sri. Eldho Kuruvilla,
Managing Partner,
M/s Cochin Granites Pulickal Associates,
Thombrayil Building,
Chelad P.O.,
Kothamangalam,
Ernakulam, Kerala

Copy to,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034 (through e-mail: ros.z.bng-mefcc@gov.in).
2. The Additional Chief 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. The District Collector, Ernakulam.
5. The Director, Mining & Geology, Thiruvananthapuram -4.
6. The Member Secretary, Kerala State Pollution Control Board.
7. The District Geologist, Ernakulam.
8. The Tahsildar, Kunnathunad Taluk, Ernakulam District.
9. The Secretary, Mazhuvannur and Vengola Grama Panchayat, Kunnathunad Taluk, Ernakulam.
10. The Chairman, SEIAA.
11. Website.
12. S/f
13. O/c

Signature Not Verified
Digitally signed by D. Venu V IAS
Member Secretary
Date: 10/11/2022 3:38:57 PM

EC Identification No. - EC22B001KL180424 File No. - 1392/EC2/2019/SEIAA Date of Issue EC - 11/10/2022 Page 18 of 18

Copy of Environmental Clearance

ANNEXURE No.5**KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. : KSPCB/ER2/ICO/10013350/VAR/2022

Date of issue : 04-11-2022

CONSENT VARIATION ORDER

Consent No : KSPCB/ER2/ICO/10013350/VAR/2022

Valid upto : 30-09-2027

Ref:Consent no.R15ERNA-CTO-R-645328 dated 11.06.2018 valid up to 30.06.2023

The Integrated Consent to Operate issued as per reference above to M/s QUARRY OF COCHIN GRANITES PULICKAL ASSOCIATES , THOMBRAYIL BUILDING, CHELAD P.O , KOTHAMANGALAM, ERNAKULAM - 686681. (Represented by its Managing Partner, Shri. Eldho Kuruvilla) is hereby modified & issued to M/s QUARRY OF COCHIN GRANITES PULICKAL ASSOCIATES , THOMBRAYIL BUILDING, CHELAD P.O , KOTHAMANGALAM, ERNAKULAM - 686681. (Represented by its Managing Partner, Shri. Eldho Kuruvilla).

The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

GENERAL CONDITIONS

1	Capital Investment	Rs.1422Lakh
2	Annual Fee	Rs.87,000/-
3	Fee remitted	Rs.4,50,000/-(Rs.15,000/- excess)
4	Land Area	8.7668Ha
5	Village	Arackappady,Mazhuvannoor
6	Sy. no.	283,282/3-1,282/3-3Pt,284/1-2,284/1-3,284/2-2 Pt,284/2-3 Pt,285/4,283/2-5-2,283/2-3-2,282/1-3-1-2

SPECIFIC CONDITIONS

1.For renewal of the consent in case of continuance of discharge/operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring system on or before 30.07.2027. Late application will be accepted with a fine or late fee as applicable.

2.This consent is issued based on the Judgement dated 25/10/2021 of the Hon'ble Supreme Court in CA No:6273/2021 and connected matters, Order dated 14/12/2021 of Hon'ble Supreme Court in MA.No:1904/2021, Judgement dated 10/11/2021 of Hon'ble High Court of Kerala in WP© 2773/2021 andJudgement dated 10/12/2021 of Hon'ble High Court of Kerala in WP© 27178/2021.

3.This consent is issued subject to any order that may be passed by the Honorable Supreme Court or the Hon'ble NGT in the connected matters.

Digitally signed by  BABURAJAN P K
Date: 2022.11.04 10:39:20 IST

SIGNATURE OF ISSUING AUTHORITY

CHIEF ENVIRONMENTAL ENGINEER

To

M/s QUARRY OF COCHIN GRANITES PULICKAL ASSOCIATES
THOMBRAYIL BUILDING, CHELAD P.O , KOTHAMANGALAM, ERNAKULAM - 686681. (
Represented by its Managing Partner, Shri. Eldho Kuruvilla)
E-Mail : eldhok@gmail.com
Contact Number :9447707173,

1.This digitally signed document is legally valid as per the Information Technology Act 2000

2. For verifying this document please go to www.keralapcbonline.com and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Phoenix website.

Copy of PCB Consent to Operate

ANNEXURE No.6

अनुज्ञापि प्ररूप एल. ई.-3 | LICENCE FORM LE-3

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)
(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)(ग) उपयोग के लिए एक समय पर वर्ग 1, 2, 3, 4, 5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञापि
Licence to possess : (c) for use, explosives of class 1, 2, 3, 4, 5, 6 or 7 in a magazine

अनुज्ञापि सं. (Licence No.) : E/SC/KL/22/1223(E54740)

वार्षिक फीस रूपए (Annual Fee Rs): 3000/-

1. Licence is hereby granted to

Shri ELDHO KURUVILLA, Cochin Granites Pulickal Associates (अधिभोगी / Occupier : Shri Eldho Kuruvilla Mg.Partner), North Muzhuvanoor.P.O Kunnathunad taluk, Town/Village - North Muzhuvanoor, District-ERNAKULAM, State-Kerala, Pincode - 682019



को अनुज्ञापि अनुदत्त की जाती है।

2. अनुज्ञापिधारी की प्रास्थिति | Status of licensee : Individual

3. अनुज्ञापि निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

Licence is valid only for the following purpose.

possess for use of Nitrate Mixture, Safety Fuse, Electric Detonators, Ordinary Detonator, - के उपयोग के लिए

4. अनुज्ञापि विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।

Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2, 0	0	200 Kg.
2.	Safety Fuse	6, 1	0	1000 Mtrs
3.	Electric Detonators	6, 3	0	10000 Nos.
4.	Ordinary Detonator	6, 3	0	5000 Nos.

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञापि के लिए]

(b) Quantity of explosives to be purchased in a calendar month [applicable for licence under article 3(b) and (c)]:

20 times
as above.

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञापि परिसर की पुष्टि होती है।

The licensed premises shall conform to the following drawing(s):

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1223(E54740)

दिनांक (Dated) 09/05/2011

6. अनुज्ञापि परिसर निम्नलिखित पते पर स्थित है। The licensed premises are situated at following address:

Survey No. 282/3-2 of Block 29, . . ग्राम (Town/Village) : Mazhuvanoor (V), Kunnathunad Taluk, Ernakulam Dist

पुलिस थाना (Police Station) : Patimattom

जिला (District) ERNAKULAM

राज्य (State)

Kerala

पिनकोड (Pincode)

682019

दूरभाष (Phone)

0048423004936

ई.मेल (E-Mail)

फैक्स (Fax)

7. अनुज्ञापि परिसर में निम्नलिखित सुविधाएं अंतर्भूत हैं।

The licensed premises consist of following facilities.

M & S type poroable magazine manufactured by industrial explosives ltd nagpur and D (S17) fabricated by M/s. Thekkans Application for Amendment to add quarry situated in SY No.284/1,279/2-2Pt,279/2pt,284/2,284/2-1pt,284/2-4pt,284/1-3pt,284/2-5,284/1-1pt Mazhuvanoor Village, Kunnathunad Taluk,Ernakulam District

8. अनुज्ञापि समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।

The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

1. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए।)

Drawings (showing site, constructional and other details) as stated in serial No. 5 above.

2. अनुज्ञापि प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञापि की शर्तों और अतिरिक्त शर्तों।

Conditions and Additional Conditions of this licence signed by the licensing authority.

3. दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञापि तारीख 31 मार्च 2016 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2016.

यह अनुज्ञापि, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपर्युक्त इस अनुज्ञापि की शर्तों का अधिक्रमण करने या यदि अनुज्ञापि परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहाँ वह लागू हो।

This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII, where ever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

तारीख | The Date - 09/05/2011

Sd/-
संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives
South Circle, Chennai

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 23/01/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 30/01/2014
- Amendment in Drawings/Facilities/Premises dated : 22/06/2017
- Amendment in Drawings/Facilities/Premises dated : 02/08/2022
- Amendment in Drawings/Facilities/Premises dated : 11/05/2023


नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
09/01/2024	31/03/2029	Dy. Chief Controller of Explosives, Emakulam

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चवाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडिक अपराध होगा।
Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

Copy of Explosive


ANNEXURE No.7



മഴുവനൂർ ഗ്രാമപഞ്ചായത്തിൽ നിന്നും
 1994ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും
 അതേ തുടർനുള്ള ചട്ടങ്ങളും അനുസരിച്ച്
 ഫാക്ടറികൾ, വ്യാപാരങ്ങൾ, സംരംഭങ്ങൾ, മറ്റു സേവനങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന
ലൈസൻസ്

നമ്പർ : 400632/RPTL20/GPO/2025/698 തീയതി : 25.02.2025

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	എൽദോ കുരുവിള, മാനേജിംഗ് പാർട്ട്നർ, കൊച്ചിൻ ഗ്രാനൈറ്റ്സ് പുള്ളിക്കൽ അസോസിയേറ്റ്സ്, തോന്ത്രയിൽ ബിൽഡിംഗ്, ചേലാട് .പി. ഒ , കോതമംഗലം	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	കൊച്ചിൻ ഗ്രാനൈറ്റ്സ് പുള്ളിക്കൽ അസോസിയേറ്റ്സ്, ചീനിക്കുഴി	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	മഴുവനൂർ വില്ലേജ് സർവ്വേ നം.283, 283/3-1(283/3) ,283/3-3 , സ്ഥലത്ത് പാറ പൊട്ടിച്ചു് സംഭരിച്ചു് വിൽപ്പന നടത്തുന്നതിന്	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	19	
ലൈസൻസ് കാലയളവ്	01-04-2025 മുതൽ 31-03-2026 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	₹15000	രസീത് നം: 1241305232 തീയതി: 22-02-2025
തൊഴിൽക്കരം	₹1250 + ₹1250	രസീത് നം: 1241305232 തീയതി: 22-02-2025
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപപത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	Quarrying Lease granted by Mining & Geology dept, (No.07/2023-24/593/M3/2022/DMG/ Dtd: 12/06/2023 Thiruvananthapuram , EC No.163/Q/2022 Validity of 10 Years and review by SEAC after 5 year , PESCO No.E/SC/KL/22/1223 (E-54740) Validity upto 31/03/2029, PCB Con No. KSPCB/ER2/ICO/10013350/VAR/2022 Validity upto 30/09/2027	



Office of the MAZHUVANNOOR GRAMA PANCHAYAT
 Airapuram P.O.
 Ernakulam (Dist.)
 PIN-683 541

സെക്രട്ടറി
 മഴുവനൂർ ഗ്രാമപഞ്ചായത്ത്

AJITHAKUMARI A.W
 SECRETARY
 MAZHUVANNOOR GRAMAPANCHAYAT
 AIRAPURAM P.O, ERNAKULAM DIST.
 PIN: 683 541, MCB: 9496045301

Copy of Panchayat License from Mazhuvanoor

ANNEXURE No.8



വെങ്ങോല ഗ്രാമപഞ്ചായത്തിൽ നിന്നും
 1994ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും
 അതേ തുടർനുള്ള ചട്ടങ്ങളും അനുസരിച്ച്
 ഫാക്ടറികൾ, വ്യാപാരങ്ങൾ, സംരംഭങ്ങൾ, മറ്റു സേവനങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന
ലൈസൻസ്

നമ്പർ : 400606/RPTL20/VGPO/2025/1081 തീയതി : 29.03.2025

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	ELDHO KURUVILA (MANAGING PARTNER), COCHIN GRANITES PULICKAL ASSOCIATES, THOMBRAYIL(H), CHELAD P.O	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	COCHIN GRANITES PULICKAL ASSOCIATES, CHEENIKUZHI	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	260 HP പാറപൊട്ടിച്ചു സംഭരിച്ച് വിൽപ്പന നടത്തുന്നത്.	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	16, 284/1-2,284/1-3, 284/2-2PT,284/2-3PT, 285/4, 283/2-5-2,283/2-3-2,282/1-3-1-2	
ലൈസൻസ് കാലയളവ്	01-04-2025 മുതൽ 31-03-2026 വരെ	
ഇടപാടാക്കിയ ലൈസൻസ് ഫീസ്	₹20000	രസീത് നം: 1242100067 തീയതി: 28-02-2025
തൊഴിൽക്കരം	₹1250 + ₹1250	രസീത് നം: 1242100067 തീയതി: 28-02-2025
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപപത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	LICENCE FEE VALID UP TO 31/03/2026, MINING MATES CERTIFICATE OF COMPETENCY, MR/SZ/0169 VALID UP TO 28/02/2027; AADHAR (731687275445); SEIAA IDENTIFICATION NO,EC22B001KL 180424, DATED 11/140/2022, EXPLOSIVE LICENCE VALID UP TO 31/03/2029, PCB NO: KSPCB/ER2/ICO/10013350/VAR/2022 VALID UP TO 30/09/2027	



വെങ്ങോല ഗ്രാമപഞ്ചായത്ത്
 വെങ്ങോല പഞ്ചായത്ത്
 1498045749, 0484 2522437

Copy of Panchayat License from Vengola

Annexure No.9

DMG/593/2022-M3

934-002/23/FCS DMG
1369091/2023**PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY,
THIRUVANANTHAPURAM, KERALA
(Present : Devidas.N, IAS)**

Sub:- Department of Mining and Geology - Mines & Minerals - Minor Mineral
Granite (Building Stone)- Quarrying Lease to M/s. Cochin Granites
Pulickal Associates, Thombrayil Building, Chelad . P.O,
Kothamangalam, Ernakulam District - 686 681. (Represented by its
Managing Partner, Shri. Eldho Kuruvila) - sanctioned - orders - issued -
reg.

- Ref:-
1. Application dated 28/10/2017 from M/s. Cochin Granites Pulickal Associates, Thombrayil Building, Chelad, P.O., Kothamangalam, Ernakulam District - 686 689. (Represented by its Managing Partner, Shri. Eldho Kuruvila)
 2. Letter No. DOE/2487/E2/17 dated 25/04/2018, 01/02/2023 from the Geologist, District Office, Ernakulam.
 3. Letter of Intent No.5067/M3/2018 dated 19/05/2018 issued by Director of Mining and Geology.
Environmental clearance No.163/Q/2022, issued vide Proposal
 4. No.SIA/KL/MIN/144152/2020 Dated 11/10/2022 by the State Environment Impact Assessment Authority, Kerala.
Integrated consent to operate No.
 5. KSPCB/ER2/ICO/10013350/VAR/2022 dated 04/11/2022 issued by Kerala State Pollution Control Board Ernakulam (valid till 30/09/2027).
Explosive License No. E/SC/KL/22/1223(E54740) dated
 6. 02/08/2022 issued by Petroleum and Explosives Safety Organization, Ernakulam (valid till 31.03.2024).
Dangerous and Offensive Trade License No.
 7. 400632/RPTL20/GPO/2023/1816 dated 10/04/2023 issued by the

DMG/593/2022-M3

934493/2023/FCS DMG

1369091/2023

Secretary Mazhuvanoor Grama Panchayath(valid till 31/03/2024)

Dangerous and Offensive Trade License No. 74/2023-

8. 2024/SC1/1386/2023 dated 01/04/2023 issued by the Secretary-
Vengola Grama Panchayath(valid till 31/03/2024)

9. Mines and Minerals (Development & Regulation)Act,1957.

10. Kerala Minor Mineral Concession Rules, 2015.

11. Kerala Minerals (Prevention of Illegal Mining, Storage &
Transportation) Rules 2015.

12 Kerala Minor Mineral Concession (Amendment) Rules, 2023.

No. 07/2023-24/593/M3/2022/DMG Dated Thiruvananthapuram 12-06-2023

ORDER

M/s. Cochin Granites Pulickal Associates, Thombrayil Building, Chelad .
P.O, Kothamangalam, Ernakulam District - 686 681. (Represented by its
Managing Partner, Shri. Eldho Kuruvila) submitted an application vide reference
first cited to obtain quarrying lease to quarry Granite (Building Stone) over an
area of 7.2831 Hectares of land in Block No.29, Re-Survey Nos. 283, 282/3-1,
282/3-3pt of Mazhuvanoor Village and 1.4837 Hectares in Block No.28, Re-
Survey Nos. 284/1-2, 284/1-3, 284/2-2pt, 284/2-3pt, 285/4, 283/2-5-2, 283/2-3-2
& 282/1-3-1-2 of Arackappady Village, Kunnathunadu Taluk in Ernakulam
District (as per the survey map No. G3-2979/17 issued by Tahasildar,
Kunnathunadu). Vide letters referred 2nd above the District Geologist, Ernakulam
has intimated that the applied area is not virgin and there was no dues by way of
royalty to be collected from the applicant.

Based on the merit of the application and the enclosed mandatory documents
including survey map, possession certificates, demarcation certificate and land
assignment certificate issued by Revenue Authorities and based on the

Proceeding order of mine lease

Annexure No.10

No. 3861/2023 DUPLICATE

भारतीय गैर न्यायिक
भारत INDIA

On production of the original Document
I have satisfied myself that an amount of
Rupees... **₹. 500** ... Eight hundred and eighty two
Paisa have been levied as stamp duty there on
On the 16th day of July 2023
Sub Registrar Pulickal

पाँच सौ रुपये **₹. 500**

INDIA NON JUDICIAL

കേരളം കേരल KERALA L 628199

FORM H
(See Rule 43)
QUARRYING LEASE





This deed of lease made on this the 20th day of June 2023 between the Governor of Kerala (hereinafter referred to as the "State Government" which expression shall, where the context so admits be deemed to include his successors

[Signature]
LESSOR
Dr. Manjiv C S
GEOLOGIST
DEPARTMENT OF MINING & GEOLOGY
DISTRICT OFFICE:
CIVIL STATION, ERNAKULAM
KAKKANAD, KOCHI-682 030
NO. 7186 Date 16.6.2023
Value of 500 Sold to Managing Partner,
Cochin Granites Pulickal
Associates - Chelad P.
K.A. KRISHNAKUMAR
STAMP VENDOR, TRIPUNITHURA

For Cochin Granites Pulickal Associates
LESSEE
[Signature]
ELDHO KURUVILLA
Managing Partner

06 JUN 2023
TRIPUNITHURA-689001

and assigns) of the one part M/s. Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O, Kothamangalam, Ernakulam District - 686 681 (Represented by its Managing Partner, Shri. Eldho Kuruvilla) (Aadhaar No.7316 8727 5445) (hereinafter called the "lessee/lessees" which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part.

Witnesseth that in consideration of the rents and royalties and Lessee's/Lessees' covenants, hereinafter reserved and contained the State Government hereby give on lease to the lessee/lessees the land measuring 8.7668 hectares described in the schedule hereunder and delineated on the plan hereto annexed and therein coloured red (hereinafter called the "said lands") to hold the same for a period of 10 (Ten) years commencing from the20.06.2023..... and ending on the19.06.2033..... for the purposes of extracting minor mineral/minerals and subject to the terms and conditions contained in the Kerala Minor Mineral Concession Rules, 2015 (hereinafter referred to as "the Rules") and to the terms and conditions hereinafter appearing

1. The lessee/lessees shall have the right in and upon the said lands to extract Granite Building Stone (herein after called the said mineral/minerals) and to do all acts necessary for the extraction of the said mineral/minerals including the erection on the said lands, buildings and plant required for the purposes and also to take lead and carry away over the said lands and to dispose of the said minerals extracted as aforesaid.
2. The lessee/lessees shall during the subsistence of this lease have the liberty to work the said mineral/minerals and remove the same from the leasehold on permits issued by the State Government/competent authority or any other officer authorized by him in this regard. The permits shall be issued only on the basis of pre-paid royalty at the rates specified in Schedule I to these Rules. The royalty rates shall be subject to revision from time to time as the State Government may order.

20.6.23
LESSOR
Dr. Manjun - C.S
GEOLOGIST
DEPARTMENT OF MINING & GEOLOGY
DISTRICT OFFICE:
CIVIL STATION, ERNAKULAM
KAKKANAD, KOCHI-682 030
0484 2422354
geo.ern.dmg@kerala.gov.in

For Cochin Granites Pulickal Associates
LESSEE *EL*
ELDHO KURUVILLA
Managing Partner

Mine lease deed

Annexure No. 11

thanam, Idukki, and CT Sulaiman, of South Thrikkaripur, were interrogated for the second time in custody from Monday onward after the court granted their custody for five more days. The accused will be produced before the NIA Court on Saturday. According to sources, the NIA got evidence related to the unlawful activities of PFI during the questioning.

"NIA received some evidence after examining the mobile phones and other electronic devices seized from the accused. These persons were the main office-bearers of PFI in Pathanamthitta, Idukki and Kasaragod. The NIA got details of the social media activities of the accused and e-mails sent by them. They were also interrogated in connection with the funding activities of PFI," sources said.

NIA will seek the custody of more arrested persons in the coming days. It was on September 22 that the NIA raided the offices of PFI, its affiliated organisations and the residences of leaders as part of a nationwide crackdown. Later, NIA arrested 11 PFI leaders in connection with the cases registered against the outfit in Kochi, and eight persons in connection with the cases registered in New Delhi.

EXPRESS NEWS SERVICE @Kochi

THE mad rush to migrate to Australia, Canada and European countries have landed several Malayali youths in trouble. Youngsters were duped of lakhs of rupees by rackets claiming to arrange a visa to Canada even without an IELTS clearance.

The issue came to light after the police received a set of complaints

alleging that a Muvattupuzha-based firm collected lakhs of rupees from candidates claiming to help them migrate to Canada without clearing the IELTS examination.

The Muvattupuzha police station soon launched a probe and arrested Prakash Thomas, 43, of Melukavumattam in Kottayam in connection with the incident.

"The alleged fraud was carried

out under the cover of a recruitment firm called Per Recruitment Private. Prakash ran the firm and other persons and one promising that visited for Canada with for the IELTS exam a senior police officer.

As per one of the accused promises to secure a job in Ca

Navy's Dornier conducts night landing trials at Agatti airfield

Kochi: In a move to improve air connectivity to Lakshadweep islands, the Navy's air squadron conducted night landing trials at Agatti airfield on Thursday night. A Dornier-228 aircraft of the Naval Air Squadron successfully carried out maiden night landing at Agatti. As part of the trials, multiple approaches and landings were carried out from both sides of the runway to validate suitability for operations. The successful night trials would pave way for future operations of Dornier-228 aircraft from Agatti by night which will boost the Navy's efforts to conduct round-the-clock maritime surveillance, the Navy said in a release. Located 460 km west of Kochi in the Arabian Sea, the Agatti atoll houses the lone airstrip available in the archipelago. The Southern Naval Command took the initiative for night landing in coordination with Airport Authority of India and Directorate General of Civil Aviation.

Bhavan's Palsar
Bhavan's N.A. Palkhivala Academy for Advanced Legal Studies and Research
(Approved by University of Calicut & Recognized by the BCI)
Enrollment Form Available from P.B. No.1, Ramenattukara, Kochi-682 022. Tel: 0471-2410104, 0471-2410101

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NO SEAT SHARING WITH CBS

CANDIDATES SECURED HIGH 42 MARKS, APPLY TO PALSAR DIRECTLY And Section Form D details available from office or www.bhavan-palsar.in Ramenattukara - 68-10-2022 | Prof. T.P. Rajalakshmy, Principal

NOTICE
 This is to inform to the General Public that the proposed expansion of Existing Building Stone Mine (Quarry, Minor Mineral Mining) project at Re-Survey No. 283, 282/3-1, 282/3-3pt., of Muzhuvannoor Village & 284/1-2, 284/1-3, 284/2-2pt., 284/2-3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 (Block No.28) of Mandappady Village, Kaminthudal Taluk, Ernakulam, Kerala for an area of 8.7668 Ha being developed by M/s. Cochin Granites Pulickal Associates is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority (SEIAA), Kerala vide EC Identification No. EC/2/001/KL/180424 & File No. 1392/EC/2019/SEIAA dated 11.10.2022 and the copy of the Environmental Clearance is available with the office of State Environment Impact Assessment Authority, and it may also be seen on the website of the Authority at www.seiaa.kerala.in

TOUCH THE STORY, IT WILL TOUCH YOU!!!

THE ODISHA STATE
 JANAPATH, BH
 254292

CAD-2162

The Chief Engineer, in Double Cover system

Sl No	Name
1	Construction of Residential Building Women's Unive Bhubaneswar, I
2	Cost of Bid doc
3	Availability of B website
4	Last date /time the Portal
5	Date of Opening
6	The Bidders have seen from the dum/cancellatic

N.B. - The quoted t Under works

Annexure No.12

Event Report



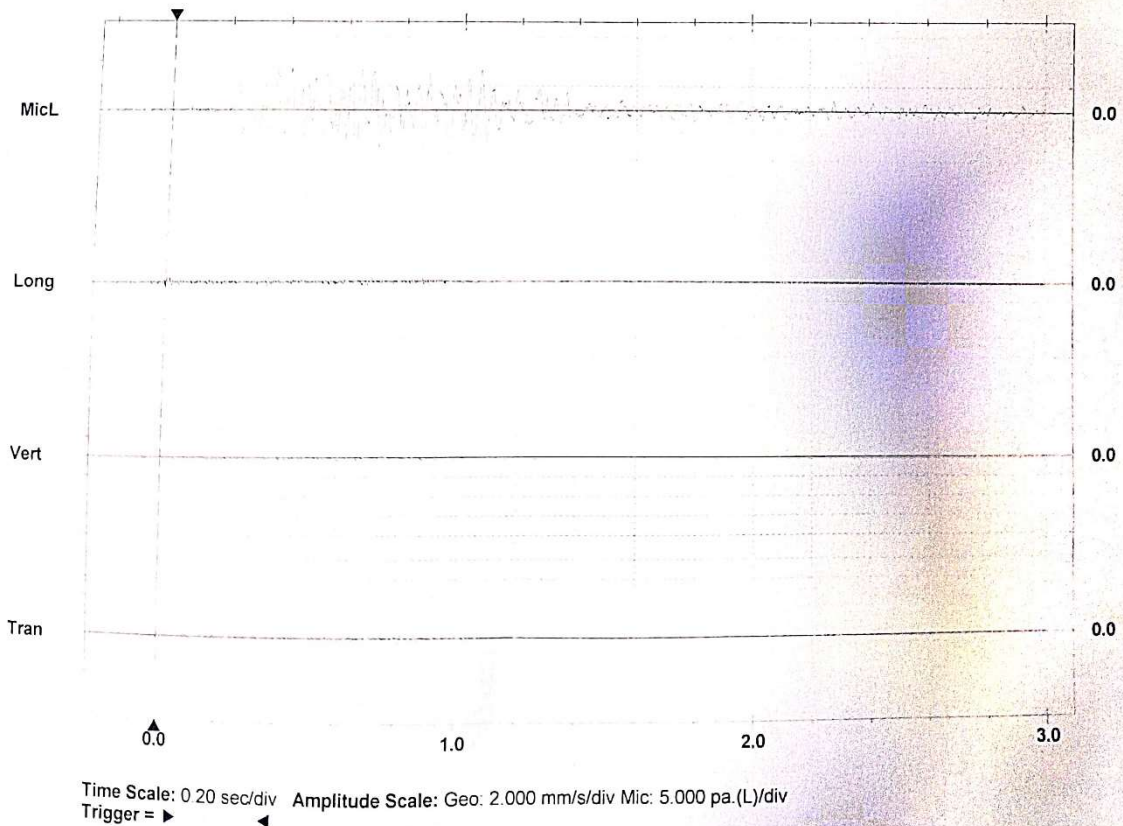
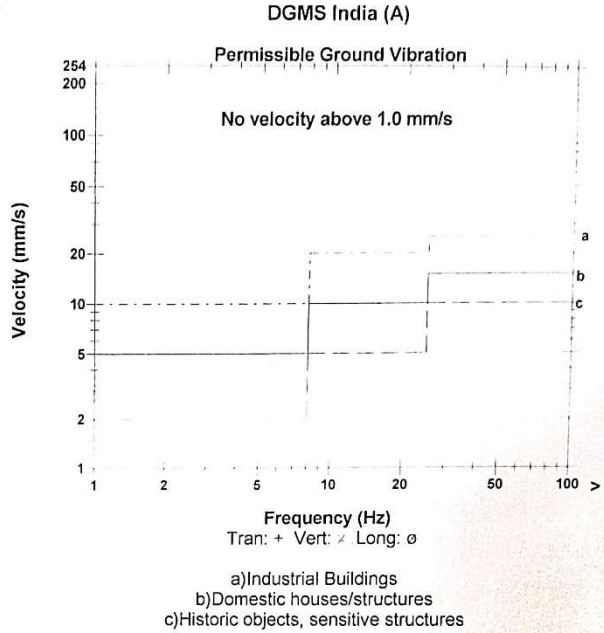
Date/Time Long at 13:03:29 September 9, 2025
 Trigger Source Geo: 0.500 mm/s
 Range Geo: 254.0 mm/s
 Record Time 3.0 sec at 4096 sps
 Operator/Setup: Operator/CGPA.MMB

Serial Number UM23091 V 10-90FB Micromate ISEE
 Battery Level 3.6 Volts
 Unit Calibration April 8, 2025 by UES New Delhi
 File Name UM23091_20250909130329.IDFW
 Scaled Distance 12.0 (50.0 m, 17.5 kg)

Notes
 Location BETWEEN BP 15 & 16
 Client ELDHO KURUILLA
 User Name CHENNIKUZHI STONE MINES
 General: 35 holes

Microphone Linear Weighting
 PSPL 117.3 dB(L) at 0.626 sec
 ZC Freq 26.9 Hz
 Channel Test Passed (Freq = 20.5 Hz Amp = 1450 mv)

	Tran	Vert	Long	
PPV	0.544	0.528	0.686	mm/s
PPV	45.71	45.45	47.72	dB
ZC Freq	89	48	98	Hz
Time (Rel. to Trig)	0.050	0.158	0.010	sec
Peak Acceleration	0.053	0.043	0.063	g
Peak Displacement	0.015	0.016	0.014	mm
Sensor Check	Passed	Check	Passed	
Peak Vector Sum	0.717 mm/s at 0.682 sec			



Printed: October 30, 2025 (V 10.72 - 10.72.1)

Format © 1995-2015 Xmark Corporation

Event Report



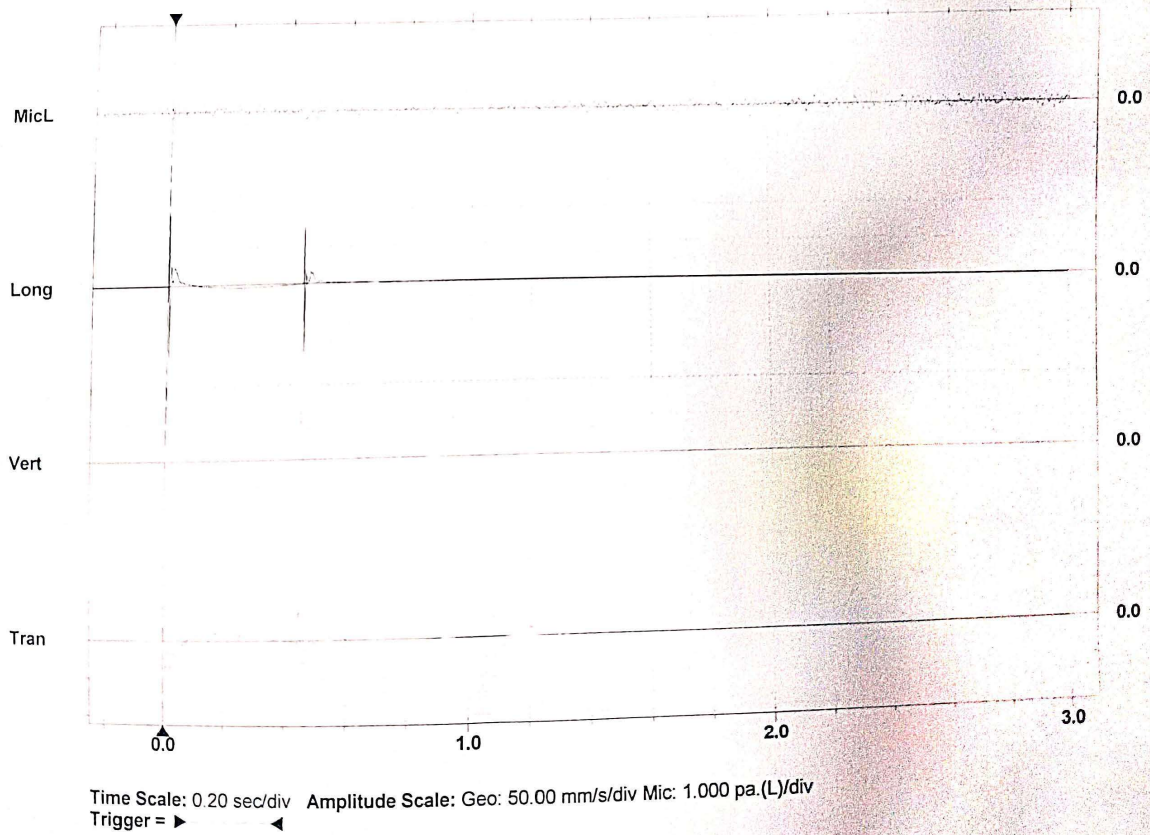
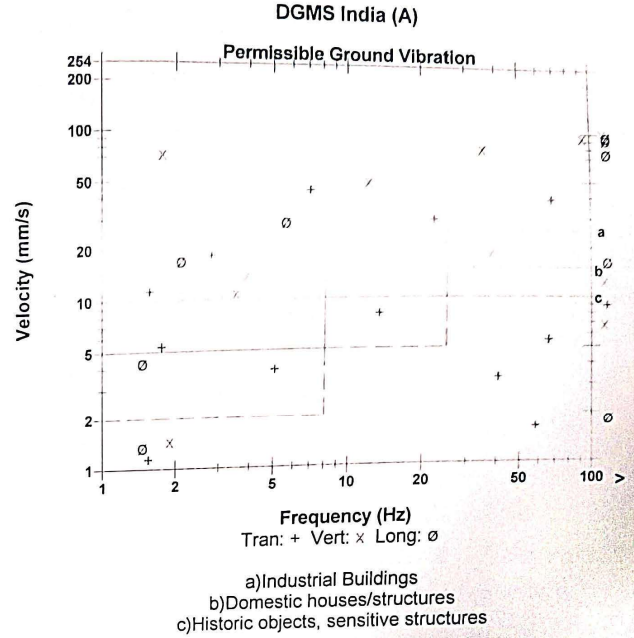
Date/Time Vert at 13:01:00 September 9, 2025
 Trigger Source Geo: 0.500 mm/s
 Range Geo: 254.0 mm/s
 Record Time 3.0 sec at 4096 sps
 Operator/Setup: Operator/CGPA.MMB

Serial Number UM23091 V 10-90FB Micromate ISEE
 Battery Level 3.6 Volts
 Unit Calibration April 8, 2025 by UES New Delhi
 File Name UM23091_20250909130100.IDFW
 Scaled Distance 12.0 (50.0 m, 17.5 kg)

Notes
 Location: BETWEEN BP 15 & 16
 Client: ELDHO KURUILLA
 User Name: CHENNIKUZZHI STONE MINES
 General: 35 h0les

Microphone Linear Weighting
 PSPL 90.66 dB(L) at 0.017 sec
 ZC Freq 108 Hz
 Channel Test Passed (Freq = 20.5 Hz Amp = 1450 mv)

	Tran	Vert	Long	
PPV	43.41	101.2	96.16	mm/s
PPV	83.75	91.10	90.66	dB
ZC Freq	6.9	120	120	Hz
Time (Rel. to Trig)	0.021	0.002	0.005	sec
Peak Acceleration	3.929	9.267	11.83	g
Peak Displacement	1.006	0.803	0.428	mm
Sensor Check	Passed	Check	Passed	
Peak Vector Sum	139.7 mm/s at 0.002 sec			



Printed: October 30, 2025 (V 10.72 - 10.72.1)

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Copy of monitoring result of Vibration

COCHIN GRANITES PULICKAL ASSOCIATES
NORTH MAZHUVANNOOR, CHEENIKUZHY, PERUMBAVOOR

VR. No. PAYMENT VOUCHER (Cash / Bank) Date: 30/07/2025

Sl. No.	Narration	Account Name	Amount
	Donation to Jalambalam EP school. Yearly Donation.		10000/-
			10000/-

(Paid Rs. one thousand only Only)


Verified By:  Approved By: _____ Paid By:  Received By: 



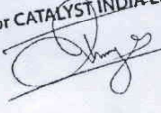
പബ്ലിക് ലൈബ്രറി & റീഡിംഗ് റൂം വലന്യൂർ
(Reg. No. 3327)

നമ്പർ **320** നോർത്ത് മഴുവന്നൂർ പി.ഒ. തീയതി 28/8/25

പേര് Cochin granites Ad.No. _____

ഇനവിവരം	രൂ.	സ.
പ്രവേശന ഫീസ്	—	
സംഭാവന	—	
മാസവരി	—	
മറ്റിനം	—	
ആകെ	5000/-	

രൂപ Five thousand Rupees only സെക്രട്ടറി 

 CATALYST INDIA ENTERPRISES XIII/571/L, Pezhakkappilly PO, Muvattupuzha, Ernakulam (Dist.), Kerala, Pin : 686673 Ph: 9496492697, 9847566283 GST No. 32BBOPR7603G1ZJ						
TAX INVOICE						
Invoice No. : CAT/25-26/104			Original for Receptionist		Duplicate for Supplier/ Transporter	
Invoice Date : 15 Sep 2025			State : Kerala		State Code : 32	
Buyer's Ref./ Order No : --			Transportation Mode: By Road		Place of Supply : Cheenikuzhy	
Order Date : --						
Details of Buyer			Details of Consignee			
Cochin Granites Pulickal Associates Cheenikuzhy Valampoor Rd Mazhuvannoor PO Kerala - 686 689 GST No : 32AABFC9337P1Z5			Cochin Granites Pulickal Associates Cheenikuzhy Valampoor Rd Mazhuvannoor PO, Kerala - 686 689 GST No : 32AABFC9337P1Z5			
State : Kerala			State Code : 32		State : Kerala	
State Code : 32			State Code : 32			
Ser	Description of Goods/ Services	HSN/ SAC	Deno.	Qty	Rate	Amount
1.	Plastic Bottle Booth made of Mild Steel	7308	Nos	16	10,593.23	1,69,491.68
Total invoice amount in words		Total amount before tax		: 1,69,491.68		
Rupees Two Lakh only		Add: Cess		: 0.00		
		Add: CGST @ 9 %		: 15,254.25		
		Add: SGST@ 9 %		: 15,254.25		
		Add: IGST		: 0.00		
		Total GST amount		: 30,508.50		
		G. Total amount after tax (R. off)		: 2,00,000.00		
Declaration:			BANK DETAILS			
We declare that this invoice shows the actual price of the goods/ services described and that all particulars are true and correct.			Bank Name : STATE BANK OF INDIA			
			Branch : MUVATTUPUZHA			
			Account No : 43899737155			
			IFSC Code : SBIN0008652			
Firm's PAN : BBOPR7603G						
Terms and conditions			 For CATALYST INDIA ENTERPRISES  Proprietor Authorised Signatory			



Date	CGPA Charity Issue Details 01.04.2024 to 30.09.2025	Amount
01.04.2025	Mahadeva Temple Valamboor	10000
09.04.2025	Medical Charity Aleema	500
11.04.2025	Local development Arts and Sports Kummnaood Football	500
25.04.2025	Paristidhi Samrakshana Vedhy Perumbavoor	2000
29.04.2025	Medical Charity Balan	500
01.05.2025	Medical Charity Moli	1000
02.05.2025	Geevamrutham Charitable Society Perumbavoor	1000
08.05.2025	Koodassery Temple Mazhuvanoor	5000
15.05.2025	VN Keshava Pilla Library Valanganchiraga	3000
16.05.2025	Medical Charity	250
21.05.2025	Paristhithy Samrakshana Samithy Environment Protection Kerala	2000
21.05.2025	Medical Chairty Baby Varghese	500
21.05.2025	Medical Charity	250
04.06.2025	Medical Charity Shiju	250
26.06.2025	Medical Charity Navas	1000
08.07.2025	Prakruthy Samrakshana samithy (PSS)	2000
17.07.2025	Medical Charity Hasiya Perumani C/o Anu Pathrose	10000
23.07.2025	Loacal Development Mateiral Issued (George Edaparathy)	4200
25.07.2025	Medical Charity	1000
26.07.2025	Medical Chairty	500
29.07.2025	Medical Charity Molly	500
30.07.2025	Local development UP School Valamboor	10000
13.08.2025	Loacal Development Mateiral Issued (Jony Perumani)	11925
26.08.2025	Local Development V N Kesava Pilla memorial libaray Valaynchiragara	2000
26.08.2025	Medical Chirty Kabeer	500
26.08.2025	Medical Charity	250
28.08.2025	Local Development Onam Celebration Public Libaray Reading Room Mazhuvannoor	5000
01.09.2025	Local Development Onam Celebration 19ward	5000
01.09.2025	Locval Development GDM Arts and Sports Club N Mazhuvannoor	1000
03.09.2025	Locval Development Janatha Arts and Sports Valayanchiragara	1000
03.09.2025	Medical Charity	250
09.09.2025	Local Development Onam Celebration Chenkathir Teaters Cheenikuzy	10000
11.09.2025	Balagokulam Perumani Ayyan Chiragara Perumani	2000
12.09.2025	Balagokulam Sreekrishnjanthy Valamboor Muvattupzha	5000
13.09.2025	Balagokulam Sreekrishnjanthy Koodassery Temple Perumani	3000
15.09.2025	Local Development Plastic Bottle Mild Steel Waste Bin ,Mazhuvannoor Panchayat	200000
16.09.2025	Parsitithi Samrakshana Samity ,Mission	500
22.09.2025	Medical Charity	500
23.09.2025	Medical Chairty Ajimon	500
24.09.2025	Educational Service Society of India Vazhakulam Aluva	1500
26.09.2025	Perumani chappal	10000
		315875

Bills and Statement of CER activity

Annexure No.14



TEST REPORT

ULR No.: TC129392500024151F		
LRI No.: SEAAL25101204A	Date: 15-10-2025	Page 1 of 1

CUSTOMER DETAILS	
Customer Name & Address	Mr. Eldho Kuruvila Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam District.
Customer Reference	Test Request date: 10-10-2025

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	EN25100335
Sample Name	Ambient Air	Sample Received on	11-10-2025
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	13-10-2025
Sampled by	Lab Authorized Sampler	Test Completed on	14-10-2025

DETAILS OF SAMPLING			
Sampling Location	Project Site	Date of Sampling	10-10-2025
Sampling Procedure	SEAAL/CHL/SOP/7.3/02	Humidity	68 %

SAMPLING SITE DETAILS			
Survey No.	283, 282/3-1, 282/3- 3pt	Survey No.	284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2
Village	Mazhuvannoor	Village	Arackappady
Taluk	Kunnathunad	Taluk	Kunnathunad
District	Ernakulam	District	Ernakulam
State	Kerala	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	45.8	100 (Max)
2	Particulate matter PM _{2.5}	IS 5182 (Part 24): 2019	µg/m ³	22.1	60 (Max)
3	Sulphur dioxide as SO ₂	IS 5182 (Part 2): 2001	µg/m ³	<4.00	80 (Max)
4	Nitrogen dioxide as NO ₂	IS 5182 (Part 6): 2006	µg/m ³	<4.00	80 (Max)

Remarks: ***End of Report***

Shency Joy
TM - Chemical
Checked by



Ramar R.
Technical Head
Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

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NABL accredited Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC-12939; ISO 45001:2018 OHSAS certified laboratory.

Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.

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

Copy of Ambient Air

Annexure No.15



TEST REPORT

ULR No.: TC1293925000024152F		
LRI No.: SEAAL25101205A	Date: 15-10-2025	Page 1 of 2

CUSTOMER DETAILS	
Customer Name & Address	Mr. Eldho Kuruvila Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam District.
Customer Reference	Test Request date: 10-10-2025

DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	EN25100336
Sample Name	Ambient Noise	Monitoring Commenced on	10-10-2025
Test Method	IS 9989:1981	Monitoring Completed on	11-10-2025
Monitoring Location	Project Site	Monitored by	Lab Authorized Sampler

SAMPLING SITE DETAILS			
Survey No.	283, 282/3-1, 282/3- 3pt	Survey No.	284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2
Village	Mazhuvannoor	Village	Arackappady
Taluk	Kunnathunad	Taluk	Kunnathunad
District	Ernakulam	District	Ernakulam
State	Kerala	State	Kerala

MONITORING RESULTS - Leg					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	39.0	14:00	52.3	22:00	39.8
07:00	41.8	15:00	52.7	23:00	38.6
08:00	46.2	16:00	53.9	24:00	40.1
09:00	49.8	17:00	54.3	01:00	38.2
10:00	52.3	18:00	48.6	02:00	37.8
11:00	55.5	19:00	45.0	03:00	39.4
12:00	52.7	20:00	41.0	04:00	40.1
13:00	51.9	21:00	40.5	05:00	42.1


Shency Joy
TM - Chemical
Checked by




Ramar R.
Technical Head
Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory. Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

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Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.
'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.standardslab.in, E-mail: seaalab@gmail.com



TEST REPORT

ULR No.: TC1293925000024152F		
LRI No.: SEAL25101205A	Date: 15-10-2025	Page 2 of 2

TEST RESULTS -CHEMICAL DISCIPLINE			
Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	52.8
2	Ambient Sound Level (Leq) Night Time	dB(A)	41.1

Remarks:

End of Report




Shency Joy
TM - Chemical
 Checked by




Ramar R.
Technical Head
 Authorized Signatory

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Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.

'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.standardslab.in, E-mail: seaalab@gmail.com

Copy of Ambient Noise

Annexure No.16



TEST REPORT

ULR No: TC1293925000024153F		
LRI No.: SEAAL25101206A	Date: 15-10-2025	Page 1 of 2

CUSTOMER DETAILS	
Customer Name & Address	Mr. Eldho Kuruvila Managing Partner, M/s Cochin Granites Pulickal Associates, Thombrayil Building, Chelad P.O., Kothamangalam, Ernakulam District.
Customer Reference	Test Request Date: 10-10-2025

SAMPLE DETAILS			
Product Category	Water	Sample Code	WT25100388
Sample Name	Ground Water	Sample Received on	11-10-2025
Sample Description by Customer	Open Well Water	Temperature @ Receipt	4°C
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	13-10-2025
Sample Quantity& Packing	1 L & 125 ml in a Plastic Bottle	Test Completed on	14-10-2025
Information Provided by Customer		Sampled by	Lab Authorized Sampler

DETAILS OF SAMPLING			
Sample Source	70 m away from the Project Site	Date of Sampling	10-10-2025
Sampling Procedure	SEAAL/QAD/SOP/7.3/01	Sample Temperature	27°C

SAMPLING SITE DETAILS			
Survey No.	283, 282/3-1, 282/3- 3pt	Survey No.	284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2
Village	Mazhuvannoor	Village	Arackappady
Taluk	Kunnathunad	Taluk	Kunnathunad
District	Ernakulam	District	Ernakulam
State	Kerala	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)

Shency Joy
Shency Joy
 TM - Chemical
 Checked by



Remya B.
Remya B.
 TM-Biological
 Authorized Signatory

Ramar R.
Ramar R.
 Technical Head
 Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory. Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

Standards Environmental & Analytical Laboratories
 Accreditation & Certification:
 NABL accredited Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC-12939; ISO 45001:2018 OHSAS certified laboratory.
 Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.
 '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.standardslab.in, E-mail: seaalab@gmail.com



TEST REPORT

ULR No: TC1293925000024153F		
LRI No.: SEAAL25101206A	Date: 15-10-2025	Page 2 of 2

TEST RESULTS- CHEMICAL DISCIPLINE					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
2	Odour	IS 3025 (Part 5): 2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10): 2023	NTU	<0.10	1.0 (Max)
4	pH @ 25°C	IS 3025 (Part 11): 2022	---	6.72	6.50-8.50
5	Conductivity	IS 3025 (Part 14): 2013	µS/cm	95.0	---
6	Total Dissolved Solids @ 180°C	IS 3025 (Part 16): 2023	mg/L	61.0	500 (Max)
7	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	22.4	200 (Max)
8	Calcium as Ca	IS 3025(Part 40): 1991	mg/L	6.56	75 (Max)
9	Magnesium as Mg	IS 3025 (Part 46): 2023	mg/L	1.49	30 (Max)
10	Chloride as Cl	IS 3025(Part 32): 1988	mg/L	15.4	250 (Max)
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 2023	mg/L	21.6	200 (Max)
12	Iron as Fe	IS 3025(Part 53): 2003	mg/L	0.16	1 (Max)
13	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1): 2022	mg/L	<1.00	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

Shency Joy
Shency Joy
 TM - Chemical
 Checked by



Remya B.
Remya B.
 TM-Biological
 Authorized Signatory

Ramar R.
Ramar R.
 Technical Head
 Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

Standards Environmental & Analytical Laboratories

Accreditation & Certification:

NABL accredited Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC-12939; ISO 45001:2018 OHSAS certified laboratory.
 Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.
 '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.standardslab.in, E-mail: seaalab@gmail.com

Copy of Water

Annexure No.17



सत्यमेव जयते

Cert No. SMR-E /8330

भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र
SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY
(केवल ओपनकास्ट खानों तक सीमित)
(Restricted to mines having opencast workings only)
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री **एम राजेश** पुत्र **पी मनि**
जिनकी जन्म तिथि **08.07.2000** है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा केवल ओपनकास्ट धात्विकीय खानों के प्रबंधन हेतु द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक **25 जुलाई 2022** से प्रभावी है।

श्री **M RAJESH** son of **P MANI**
born on **08 JULY 2000** having given satisfactory evidence of possessing the prescribed qualifications and experience is hereby granted **SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY** to manage the metalliferous mines having opencast workings only. This certificate is effective from. **25.07.2022**





सचिव
खनन परीक्षा बोर्ड
Secretary
Board of Mining Examinations


अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Board of Mining Examinations

Signed and Sealed
Date **16.02.2023**

Mines manager

Annexure No.18

Cert No. FR / 4994

भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
खान फोरमैन सक्षमता प्रमाण-पत्र
(केवल ओपेनकास्ट खानों तक सीमित)
(Restricted to mines having opencast workings only)
MINE FOREMAN'S CERTIFICATE OF COMPETENCY
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री एम वेंकटेशन सुपुत्र एस मथुवेल
 जिनकी जन्म तिथि 19.04.1982 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने एवं जनवरी 2018 में आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल ओपेनकास्ट धात्विकीय खान के लिए फोरमैन प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक 14 सितम्बर 2018 से प्रभावी है।

Shri M VENKATESAN son of S MUTHUVEL
 born on 19 April 1982 having given satisfactory evidence of possessing the prescribed qualifications and experience and having passed the examination held in January 2018 is hereby granted MINE FOREMAN'S CERTIFICATE OF COMPETENCY for metalliferous mine having opencast workings only. This certificate is effective from 14 September 2018

सचिव खनन परीक्षा बोर्ड
 Secretary Board of Mining Examinations

अध्यक्ष खनन परीक्षा बोर्ड
 Chairman Board of Mining Examinations

Signed and Sealed
 Date 31-03-2018

Foreman

Annexure No.19

Cert No. MR/52/0169

भारत सरकार/Government of India

खान अधिनियम, 1952/Mines Act, 1952

खनन परीक्षा बोर्ड/Board of Mining Examinations

खनन पेट सक्षमता प्रमाण-पत्र

MINING MATE'S CERTIFICATE OF COMPETENCY

(केवल ओपेनकास्ट खानों तक सीमित)

(Restricted to mines having opencast workings only)

(धात्विकीय खान विनियम, 1961 के अन्तर्गत)

(Under the Metalliferous Mines Regulations, 1961)

श्री M MOHAN KUMAR son of **R MANOHARAN**

born on **28TH OCTOBER, 1981 (EIGHTY ONE)** having given satisfactory evidence of his age, medical fitness, good character, literacy and prescribed experience of working in metalliferous mines and having passed the prescribed examination held at **GVTC, SANDUR** centre on **02.08.2011** is hereby granted **MINING MATE'S CERTIFICATE OF COMPETENCY** restricted to mines having opencast workings only

अंचल सचिव Zonal Secretary Board of Mining Examinations Southern Zone, Bengaluru

अध्यक्ष Chairman Board of Mining Examinations

Signed and Sealed
Date **18/7/12**

श्री जिनकी जन्म तिथि है, को अपनी आयु, स्वस्थता, सदाचार, साक्षरता और धात्विकीय खानों में काम करने के विहित अनुभव का सन्तोषजनक प्रमाण प्रस्तुत करने एवं दिनांक को केन्द्र पर आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल ओपेनकास्ट खानों तक सीमित पेट सक्षमता प्रमाण-पत्र प्रदान किया जाता है।

सुपुत्र

खनन परीक्षा बोर्ड

बाएँ हाथ के अंगूठे का निशान Left hand thumb impression.

Mining mate