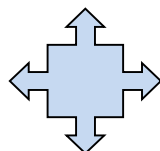


COMPLIANCE REPORT
OCTOBER 2024 – MARCH 2025

M/S PUTHALAM CONSTRUCTIONS PVT. LTD
KANNUR DISTRICT
KERALA



PUTHALAM CONSTRUCTIONS PRIVATE LIMITED

PP 11 408A, VK CRUSHER, VELLARVALY, KANNUR, KERALA, INDIA-670673

CIN:U45201KL2019PTC057521

Dt. 13-05-2025

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

Ref :- File No. 1893/EC4/2021/SEIAA

Ref :- EC identification number – EC23B001KL163866 dt. 10-08-2023

Sub :-Environment Clearance – Quarry project at Survey No. 21/149, 21/124, 21/145 and others, Kolayad Village, Thalassery Taluk, Kannur District, Kerala – Compliance Report –Second Half - Reg.

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 2.0235Ha. by EC identification number – EC23B001KL163866 dated 10-08-2023 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **Second half** (October 2024 – March 2025) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

M/s Puthalam Constructions Pvt. Ltd

PUTHALAM CONSTRUCTIONS PRIVATE LIMITED

Copy to:-

The Member Secretary
State Environment Impact Assessment Authority (SEIAA),
Thiruvananthapuram, Kerala.



DIRECTOR

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

No: 1893/EC4/2021/SEIAA

EC identification number – EC23B001KL163866

Dated: 10-08-2023

BY

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

BUILDING STONE QUARRY

(MINOR MINERAL MINING) PROJECT

AT

**Survey No. 21/149, 21/124, and others Kolayad Village, Thalassery
Taluk, Kannur District, Kerala**

BY

Quarry project of M/s Puthalam Constructions Pvt. Ltd.

KANNUR DISTRICT

KERALA

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INTRODUCTION

The quarry project of Quarry project of M/s Puthalam Constructions Pvt. Ltd. at Survey No. 21/149,21/124,21/145,21/148,21/147,21/156.21/144 (old Sy. No21/1A1), Kolayad Village, Thalassery Taluk, Kannur District, Kerala. The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on **10-08-2023**.

As part of general condition No.48 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of second half to the specific conditions and general conditions of the Environmental Clearance order for the period **October 2024 – March 2025** is being submitted. The quarry project started its mining operation in 29-05-2024. The Validity of EC starts from the date on which lease is executed with Department of Mining and Geology. The mining lease was executed in 15-04-2024.

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART - A – SPECIFIC CONDITIONS

01	The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.	Complied
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The Project Proponent is being carried out quarrying as per the approved Mining Plan and the Specific Conditions stipulated in the EC issued by SEIAA, Kerala. The Project Proponent strictly follows the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.

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 was executed on 15-04-2024. The copy of the mining lease was submitted to SEIAA before commencing the mining activity. The copy of proceeding of mining lease and lease deed executed is attached as annexure.

03	The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.	Complied
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The project proponent is extracting minerals in tune with the conditions stipulated in EC. This is being monitored by Environment Monitoring Cell. The PP is aware about EC will be reviewed by SEAC after 5 years.

04	Development of green belt using indigenous species should be initiated prior to the commencement of mining.	Complied
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The PP has planted indigenous species as part of development of green belt around the mine lease area prior to the commencement of mining.

05	The impact of vibration due to blasting on the houses and built structures within 200m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.	Complied
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The impact of vibration due to blasting on the houses and built structures within 200m will be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.

06	Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.	Complied
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The PP has developed Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain in the project area prior to the commencement of mining.

07	Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration	Complied
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The overflow from the siltation pond is being discharged to the nearby natural drain after adequate filtration.

08	Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR)	Complied
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The Garland drain, silt-traps, siltation ponds and outflow channel desilted periodically and geo-tagged photographs of the process will be included in the half yearly compliance report (HYCR)

09	Drainage water should be monitored at different seasons by a NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.	Complied
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Drainage water is being monitored at different seasons by a NABL accredited lab. Only clear water is being discharged into the natural stream to prevent pollution of streams. Geo-tagged photographs of the drainage and sampling site will be submitted along with HYCR

10	Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites	Complied
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The overburden generated from the mine lease area is stored at the designed place and gabion wall is being made for the protection of dump.

11	Maximum height of top soil dump must be limited to 6 m.	Complied
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The maximum height of the top soil dump is limited to 6 m to prevent soil erosion and other untoward incidents.

12	Ensure that drainage from top soil dump is not polluting nearby water bodies.	Complied
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The project proponent has created drainages, siltation traps and settling pond in the project site to clarify the stormwater from the mine lease area before letting out to the public drain.

13	CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.	Complied
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The PP is planning to renovate Immunization centre of Public Health Centre of Peruva in Kannur District. The communication letter regarding the same here attached as annexure. The committed activities at SEIAA will be implemented within first two years of EC validity.

14	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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The PP has regulated traffic from and to the mine lease area. The 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).

15	Adequate sanitation, waste management and rest room facilities should be provided to the workers	Complied
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As part of providing amenities to the labours, the PP has constructed adequate sanitary toilet block, waste management and rest rooms in the project site.

16	Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power	Complied
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The PP is being in discussion with the Solar panel distributors to install solar panels as part of energy conservation. The PP is intending to generate 40% of the energy requirement of the quarry project.

17	Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.	Complied
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The PP has constituted Environment Management Cell (EMC) including one subject expert in environment management. The meeting of the cell is regularly convening.

18	Adequate number of avenue trees of indigenous species should be planted along the both sides of the haulage road.	Complied
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The PP has planted various indigenous species as avenue trees along both sides of the haulage road.

19	If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the HYCR.	Complied
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The PP has carried out final closure plan of the nearby abandoned quarry pit within stipulated time as per the approved mine closure plan.

20	As the project site is located in an abandoned quarry, the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report	Complied
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The instant project site is a new area where in no abandoned quarry pit is located. The abandoned quarry pit located near to the project site was submitted mine closure plan and planted various tree saplings as part of mine closure.

21	Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority	Complied
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The Project proponent is being developed a rain water harvesting pond in the project site.

22	Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.	Complied
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The PP has been using blasting mat in the project site during blasting time to prevent fly rock from the mining area.

23	As per OM no F.No.22-65/2017-1A.III dated 30 September 2020, under Corporate Environmental Responsibility (CER) the Project	Complied
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	Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.	
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The PP has allocated 2% of the project cost for implementing CER activities in the community. The activities identified will be executed in consultation with Local Self Government. A copy of EMP/CER is submitted at Grama Panchayat. The committed CER activities at SEIAA will be implemented.

24	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 is using NONEL technology for blasting to reduce noise and vibration during blasting in the mining area. To conduct the blasting activity in the mine lease area, the PP has appointed a qualified person.

25	As per the directions contained in the OM F.No.22-34/2018-14.III dated 16 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	Complied
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	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.	
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The PP will undertake regressing / eco restoration in the mined-out area and disturbed area due to the mining activity.

26	The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986	Complied
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The PP is being implemented all conditions stipulated in the EC

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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An assurance in the form of affidavit was already submitted to SEIAA Kerala, stating that that all the conditions stipulated in the EC shall be scrupulously followed.

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 PP has obtained Environmental Clearance, consent to operate from pollution control board, Explosive license, Panchayat License and lease order. The copies of the same is attached as **Annexure No 1 to 5**.

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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An advertisement in two local daily newspapers (English and Malayalam) regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.9**. The details are given below in the table.

Details of advertisement in news paper

Sl. No	News paper	Language	Date of edition
01	Deepika	English	23-07-2024
02	Veekshanam	Malayalam	23-07-2024

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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A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal. The EC order uploaded in the website of the company.

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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As part of demarcation of mine lease area, the project proponent has erected barbed metal wire fencing around the mining area with height of 4 ft. This can prevent falling of animals/human being/dumping of garbage etc. in to the mine lease area. Also maintaining the vary same.

06	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft 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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The details of the Environmental Clearance are displayed in the project site. The project proponent has placed the metallic board as specified in the conditions of Environmental Clearance order

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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As part of guidelines of competent authority and safety concern, the explosives are stored in magazine. The magazine is in an isolated place specified and approved by the explosives department.

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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As per the stipulation of Explosive department, the project proponent has installed warning alarms in the quarry site. This is working properly before and after the blast.

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.	Being complied
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To reduce emission of dust through the vehicle movement, the access road from the entrance of project site to quarry is being tarred. The project proponent splashing approach road and haulage road to arrest the dust during summer season.

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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To monitor all conditions stipulated in the Environment Clearance and Environment Management Plan, the project proponent has constituted an Environment Monitoring Cell. This cell concurrently monitors and evaluate the safeguard measures implemented in the project site.

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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The project proponent is following approved mining plan with the suggestion from SEAC for the extraction of building stones.

12	The quarrying operation shall be restricted between 7 AM and 5 PM	complied
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The extraction of minerals and operations of quarry is restricted between 7 AM and 5 PM.

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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To conserve the rain water, the project proponent has collected storm water in a pond located in the lowest area. The stored rain water is using for irrigation purposes, watering of plants, wetting of roads.

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°.	Noted for compliance
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The depth of mining will not exceed beyond 10 meters from general ground level. The exploration will be as per the plan submitted before State Environment Impact Assessment Authority (SEIAA), Kerala. There will be no mining operations 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	Being complied
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As part of safety and eco-friendly mining, the quarrying activity in the project is progressing by creating benches of 5m width and 5m height. The mining has started its operation from 29th of May 2024.

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 proponent ensured that no natural runoff of storm water obstructed due to any mining operations. No stream is originating from the lease area. There is no such natural water course or thodu is flowing along the project site.

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 norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places are adhered by the project.

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	Will be complied
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The project proponent has planted various saplings in the project area as a compensation to the loss of trees while the project is clearing the land for mining. The project proponent is intending to plant more native saplings in the project site. The photograph of the compensatory afforestation is attached as plate.

19	The proponent should ensure that the vegetation in the buffer is	complied
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	retained, maintained and strengthened with additions of native broad-leaved plants.	
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The PP does not cut the trees located at buffer and additional tree saplings are being planted in the buffer zone.

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 eco restoration plan prepared by the project proponent will be executed in a good manner. The project proponent will plant various saplings in and around the project site. The mine closure plan will be done at the own cost of project proponent as agreed in the proposal. OB will be used within the site of project proponent.

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 EC Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	Will be complied
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The project proponent will retain at least 10 percent of total excavated pit as rain water storage area after closure of the mine. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan,

the project will plant indigenous plant species that are eco – friendly on the reclaimed area.

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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The major noise generating source from the mining activity are working machinery, drilling, blasting and plying of vehicles. The following control measures has undertaken to bringing down the noise levels: -

- Proper maintenance of machinery and equipment
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.
- Personal protective devices i.e., ear plugs are provided to workers working in high noise areas.
- The mining activity held in day time only.
- Noise level at quarry site checked periodically.

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	Will be complied
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Vibration will be monitored periodically. A proper log book will be kept for inspection.

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.	complied
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Speed of the trucks is limited to 25 Kmph to reduce the noise generated from transportation.

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.	Noted
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Crusher is not proposed in the project site. Green belt is being developed around the mine lease area.

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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The blasting is the crucial part of quarrying industry to explore the minor minerals. The blasting is done in controlled manner by using NONEL. All blasting activities are carrying out with the specified regulations of explosive department. Blasting and quarrying activities is under the supervision of qualified persons.

27	Measures should be taken for maintaining noise levels below 85 dBA in the work environment.	complied
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The main noise generating activities in the mining industries are the playing of jack hammer, breaker, vehicles and blasting operations. The project proponent has taken appropriate action to reduce the sound by employing possible measures like planting of floral species, green belt development, etc.

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
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At present, the need of prior approval is not necessary to draw ground water and surface 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.	Noted
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There is no stream or springs flowing in and around to the mine lease area.

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 constructed effective garland drains to catch all the storm water during the time of monsoon season. These channels direct to the rain water collection pond. All sediments and silts are being settled at the bottom of the pond and only cleared water let out.

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.	complied
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Monitoring of ground water level and quality is being carried out around the mine area during mining operation regularly. Project work is not affecting the ground water.

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	Complied
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	quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.	
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The project proponent is ensuring that all storm water from the mining area is flowing in to the pond created at mining area. The project proponent has created garland drains where it is necessary in the lower slopes of the project area for storm water management.

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 EC 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
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There is no plan for the expansion of project. In case of any change(s) in the scope of the project, the proponent will apply for fresh appraisal to get the Environmental Clearance.

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.	complied
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The stipulated orders and directions under different act and notification including EIA notification is being scrupulously followed. A brief list of various Acts and notifications which are followed by the proponent is given below

- Kerala Minor Mineral Concession Rules, 2015.
- Mines Act, 1952

- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- Environment Protection Act, 1986
- EIA Notification, 2006 / 2009

35	The top soil, if any, shall be temporarily stored at earmarked place (5) 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 20 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 shall be backfilled.	complied
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In order to prevent the soil erosion, the top soil and overburden are stacked in a designated place within the project site. Only the topsoil is being used for plantation purposes. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place.

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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All machineries working in the proposed quarry project is regularly maintained by the PP.

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.	Complied
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As part of reduce air pollution, the project proponent monitors the pollution level of all vehicles playing in the project site. This monitoring is being conducted only in authorized pollution checking center.

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 prevent dust emissions, the project proponent has installed sprinklers in critical areas to reduce the dust emission such as loading and unloading points, haul roads and transfer points. The water spraying has been carried out regularly to arrest the dust emission. The mobile sprinkler unit properly maintains.

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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To reduce the dust emission in critical areas such as loading and unloading points, haul roads and transfer points the project proponent splashes water.

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	Complied
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	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.	
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The quarry project is started in May 29th of 2024. The PP has started to implement the activities committed under CER.

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 PP is being implemented labour laws applicable for mining project.

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 PP has provided insurance protection to the workers during its operational phase.

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.	Will be complied
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The project proponent will conduct an occupational health surveillance programme in association with Primary Health Center (PHC) of Kerala government for the labours working in mining area.

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.	Noted
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There is no abandoned pit. At the end of mine a pit will be developed which can be used as water harvesting, aqua culture etc

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.	Noted
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There is no Government land involved in the proposed mining project.

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 PP has installed safety fencing around the mined-out area to prevent any untoward incidents.

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 for compliance
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For transfer of EC, the PP will apply online Parvesh portal. At present there is no plan to transfer the EC.

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	being complied
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	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 March every year.	
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The compliance report is being submitted to the State Environmental Impact Assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore as mail. The compliance report and the EC order is uploaded in the website of the company. The quarry project is not in operation due to lack of necessary approvals.

49	The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & 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.	Will be complied
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The project proponent scrupulously follows the condition stipulated in the EC order and keeping all records with a good documentation system. The project proponent will extend all possible cooperation to the officers from regional office of MoEF & CC and can produce all data/information/reports when they are asking for the same.

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 project proponent gives priority to the conditions stipulated in the Environment clearance Order.

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 project proponent is willing to add additional safe guard measures subsequently if the authority found necessary.

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 project proponent will abide by the directions of the SDMA if applicable.

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 is no pending litigation before any court of law regarding the project.

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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The project proponent will follow the directions of the NGT if applicable.

55	Concealing the factual data or submission of false fabricated data	Noted
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	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.	
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The project proponent has produced all factual data and no data concealed during the time of appraisal.

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 project proponent has been implementing conditions stipulated in this Environment Clearance order. The project can execute all possible measures in the project site for the conservation of environment.

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.	Noted
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The height of any bench will not exceed six meters and breadth shall not be less than the height during its operational phase.

ANNEXURE

Annexure No.1



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

To,

The Director
 PUTHALAM CONSTRUCTIONS PVT LTD
 Puthalam Constructions Pvt. Ltd., PP 11 408A, V. K. Crusher, Vellarvally,
 Kannur District, Kerala-670673 -670673

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/195129/2021 dated 30 Mar 2021. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B001KL163866
2. File No.	1893/EC4/2021/SEIAA
3. Project Type	New
4. Category	B2
5. Project/Activity including Schedule No.	1(a) Mining of minerals
6. Name of Project	Building stone quarry (Minor Mineral) mining project of M/s Puthalam Constructions Pvt. Ltd.
7. Name of Company/Organization	PUTHALAM CONSTRUCTIONS PVT LTD
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: 10/08/2023

(e-signed)
 Dr Rathan U kelkar 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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PROCEEDINGS OF THE STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

Present: Dr.H.Nagesh Prabhu IFS (Chairman)

Dr.Rathan.U.Kelkar IAS (Member Secretary)

Shri.K.Krishna Panicker (Member)

Sub: - SEIAA – Environmental Clearance for the Granite Building Stone Quarry Project of Smt.Sini Joseph, Director, M/s Puthalam Construction Pvt.Ltd, PP 11 408A, V.K.Crusher, Vellarvally, Kannur- Granted - Orders issued.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

Proposal No. SIA/KL/MIN/195129/2021

File No. 1893/EC4/2021/SEIAA

Ref: 1.Application from Smt.Sini Joseph received on 27.01.2021.

2. Minutes of the 141st SEAC meeting held on 11th – 12th & 18th -19th April 2023.

3. Minutes of the 127th SEIAA meeting held on 30th & 31st May 2023.

4. Minutes of the 128th SEIAA meeting held on 27th & 29th June 2023.

5. G.O(Rt.) No.29/2019/Env dt.12.04.2019.

ENVIRONMENTAL CLEARANCE NO. 124 /Q/2023.

Smt.Sini Joseph, Director, M/s Puthalam Constructions Pvt.Ltd, PP11 408 A, V.K.Crusher, Vellarvally, Kannur-670673 submitted an application for Environmental Clearance via PARIVESH for the Granite Building Stone Quarry Project, for an area of 2.0235 Ha at Block No.64, Re.Sy.Nos.21/149, 21/124, 21/145, 21/148, 21/147, 21/156, 21/144 (old Sy.No.21/1A1) of Kolayad Village, Thalassery Taluk, Kannur, Kerala.

The Project details are as follows:-

Sl.No.	Particulars	Details
1	Name of the project	Granite Building Stone Quarry Project of Smt.Sini Joseph.
2.	Name of the Sector & Schedule No.(in the EIA Notification, 2006)	Mining of Granite Building Stone Quarry B2 Category & Schedule 1(a)
3	Name & Address of the Project Proponent	Smt.Sini Joseph, Director, M/s Puthalam Constructions Pvt.Ltd, PP 11 408A, V.K.Crusher, Vellarvally, Kannur-670673.
4	Project Location	
	a)Block No.	64
	b) Re.Survey Nos.	21/149, 21/124, 21/145, 21/148, 21/147, 21/156, 21/144 (old Sy.No.21/1A1)
	c) Revenue Village	Kolayad
	d) Panchayat	Kolayad
	e) Taluk	Thalassery
	f) District	Kannur
5	Project Area	2.0235 Ha
6	Life of Mine (As per Mine Plan)	8 Years
7	Mineable Reserve	842144MT (105268 TPA)
8	Cost of the Project	Rs. 4.06 Crore
9	Geo Co-ordinates	Latitude 11°51'59.77" to 11°52'04.05" Longitude 75°42'48.67" to 75°42'55.04"

10	Water Requirement & Source	13.5 KLD Open well, Abandoned Mine Pit				
11	Date of Field Inspection	25.10.2022.				
CER Activities						
Sl.No	Name of Activities	1 st Year (in Rs.)	2 nd Year (in Rs.)	3 rd Year (in Rs.)	4 th Year to 8 th Year (in Rs.)	Total
1	Renovation of immunization room		8,00,000			8,00,000
2	Toilets	1,50,000				1,50,000
3	Other facilities like: Developing a Children’s park near immunization room, chairs in the waiting area.	2,50,000				2,50,000
4	Annual maintenance (20%)			20,000	45,000	2,00,000
Total						14,0,000

EMP – DETAILS

Description	Item	Capital Cost	Recurring Cost	Remarks
		(Rs. In Lakhs)		
Noise Environment & Vibration	NON-EL blasting technique	0.0	0.0	Cost included inproject cost
	Blast mats	1.4	0.25	2 mats of size 10’ x 10’ , 250 mm thickness
	Blasting siren andnotice	3.0	0.2	-

	boards			
	PPEs to workers	0.0	0.0	Cost included in Air Environment
	Maintenance of machinery and equipments	0.0	0.0	Cost included in project cost
	Acoustic enclosure & anti vibration pads for DG set	0.0	0.0	Cost included in project cost
	Plantation in buffer zone	0.0	0.0	Cost included in Ecological Environment
	Medical Check-up to the mine workers	0.0	0.0	Included in expenses on Occupational Safety and Health
	Sub-total	4.4	0.45	

Description	Item	Capital Cost	Recurring Cost	Remarks
		(Rs. In Lakhs)		
Water Environment	Construction of garland drains with intermittentsiltation traps	10.0	1.5	Once only for the MLarea
	De-silting & cleaningoperations in garland drain, silt traps & ponds	0.0	1.2	Half yearly and manual / machinery operation.
	Construction of overland flow collection ponds (2nos.)	14.0	1.2	
	Construction of retainingwall for top soil / OB dump in slope side	3.8	0.75	Cost of construction of wall around the dip side of the dump.
	Sub-Total	27.8	4.65	

Description	Item	Capital Cost	Recurring Cost	Remarks
		(Rs. In Lakhs)		
Ecological Environment	PART-1 - Green Area development in buffer of mine lease area (0.45 ha, 300 trees). - Transplantation of saplings of trees from ML area to compensatory afforestation area. - Development of compensatory afforestation area. (200 trees) - Development of medicinal garden (0.1 ha.) - Development of butterfly garden (0.1 ha.)	15.6	4.0	@Rs. 1,100 per tree x 735 trees
	PART-2 Eco-restoration through planting of grass, herbs, shrubs & trees (235 trees) in ML during mine closure .			
	Sub-Total	15.60	4.00	
CER	Enhancing the facilities at PHC, Perua	14.0	-	
	Grand Total	99.40		

2. In the 139th meeting of SEAC, the Committee examined the proposal, verified the documents, the presentation on 06.08.2022 and field inspection conducted on 25.10.2022. The Committee observed that the proposal is to extract granite building stone of 8,42,144 MT (1,05,268 TPA) with mine life of 8 years. The nearest house is at 202 m and depth to water table is 3m below ground level at the valley portion away from the proposed site. The site does not fall in landslide hazard zone. The elevation of the area vary from 95-135m above MSL and the ultimate mine depth is 80m above MSL. The Committee verified the specification of the CER proposal and found them satisfactory. In this situation, **the Committee recommended EC for a mine life of 8 years subject to the certain Specific Conditions in addition to the General Conditions:**

3. In the 128th meeting, the Authority heard the Project Proponent along with his Consultant and considered the details regarding topsoil management proposed. The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.
4. **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 8 years, from the date of execution of mine lease / permit, 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.**

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project 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 field verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *Development of green belt using indigenous species should be initiated prior to the commencement of mining.*
5. *The impact of vibration due to blasting on the houses and built structures within 200m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*

6. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
7. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
8. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
9. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.*
10. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites*
11. *Maximum height of top soil dump must be limited to 6 m.*
12. *Ensure that drainage from top soil dump is not polluting nearby water bodies.*
13. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
14. *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).*
15. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
19. *If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the HYCR.*

20. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
21. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
22. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
23. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
24. *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.*
25. *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.*
26. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

5. **Environmental Clearance as per the EIA Notification, 2006 is hereby accorded for the Granite Building Stone Quarry Project of Smt.Sini Joseph, Director, M/s Puthalam Constructions Pvt.Ltd, PP 11 408A, V.K.Crusher, Vellarvally, Kannur-670673 for an area of 2.0235 Ha at Block No.64, Re.Sy.Nos.21/149, 21/124, 21/145, 21/148, 21/147, 21/156, 21/144 (old Sy.No.21/1A1) in Kolayad Village, Thalassery Taluk, Kannur, 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 8 years, from the date of execution of mine lease / permit, subject to the review by SEAC at the end of (5) 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, subject to General Conditions and the Specific Conditions in Para 5th 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 Project Proponent will be deemed to be a part of this Proceeding 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.**
6. 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.

7. Validity of the Environmental Clearance will be initially for the period of **Five (5) years** from the date of execution of valid mine lease/Permit from Mining & Geology Department as per S.O 1807(E) dated 12.04.2022 of MoEF & CC, and then will be extended to the project life as per conditions stipulated in Para (5).
8. 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, Kannur.
9. The Half Yearly Compliance Report (HYCRs) with name of the project, EC No. and date, the period of submission with its contents, compliance report and environmental monitoring data & covering letter have to be uploaded in the PARIVESH Portal as per O.M. F.No.IA3-22/1/2022-IA-III(E)-17264 dated 14.06.2022 and the website of the Project Proponent. Hardcopy of HYCRs shall not be acceptable.
10. The given address for correspondence with the authorised signatory of the project is Smt.Sini Joseph, Director, M/s Puthalam Construction Pvt.Ltd, PP 11 408A, V.K.Crusher, Vellarvally, Kannur-670673.

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 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.
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,

Smt. Sini Joseph, Director
M/s Puthalam Construction Pvt.Ltd
PP 11 408A, V.K.Crusher, Vellarvally
Kannur - 670673.

Copy to:

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: rosz.bng-mefcc@gov.in)
2. The 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, Kannur.
5. The Director, Mining & Geology, Thiruvananthapuram -4.
6. The Member Secretary, Kerala State Pollution Control Board.
7. The District Geologist, Kannur.
8. The Tahsildhar, Thalassery Taluk, Kannur District.
9. The Village Officer, Kolayad Village, Kannur District.

Annexure No.2**FILE NO : KSPCB/KN/ICO/10040474/2023****Date of issue : 18-09-2023****KERALA STATE POLLUTION CONTROL BOARD****CONSENT TO****OPERATE/AUTHORISATION/REGISTRATION****ISSUED UNDER**

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

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

and

The Environment (Protection) Act, 1986

As per Application No. : 10040474**Dated : 15-08-2023****To****QUARRY OF PUTHALAM CONSTRUCTIONS
KOLAYAD, THALASSERY****Consent No. : KSPCB/KN/ICO/10040474/2023****Valid Upto : 17-09-2028**

1. GENERAL

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

1	VALIDITY	17-09-2028
2	Name and Address of the establishment	QUARRY OF PUTHALAM CONSTRUCTIONS KOLAYAD, THALASSERY E-Mail : manager@vkstone.co.in Contact Number : 9447411260
3	Occupier Details	SINI JOSEPH PUTHALAM CONSTRUCTION PVT LTD, V K CRUSHER, VELLARVALLY, KANNUR DIST, KERALA E-Mail : kannurk754@gmail.com Contact Number :
4	Local Body	KOLAYAD
5	Survey Number	21/149,21/124,21/145,21/147,21/148,21/156,21/144
6	Village	Koloyad
7	Taluk	Thalassery
8	District	KANNUR
9	Capital Investment(Rs in Lakhs)	406.0
10	Scale	Small
11	Category	RED
12	Annual fee(Rs)	40000.0
	Total Fee remitted(Rs)	200000.0
13	Activity	Quarrying of Granite Building stone - 105262 Metric Tonnes/Day
14	Machinery details	

Copy of Consent form PCB

Annexure No.3

अनुज्ञप्ति प्रमाणित
LICENCE ENDORSED

अनुज्ञप्ति प्रारूप 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)

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 अनुज्ञप्ति

Licence to possess : (c) for use, explosives of class 1, 2,3,4,5,6 or 7 in a magazine

ज्ञप्ति सं. (Licence No.): E/SE/KL/22/328(E130393)
कि फीस रूप (Annual Fee Rs): 2400/-

D. C. E. Emakulam
डि. सी. ई. एम. अकलम

Licence is hereby granted to

इ. म. टी. सिनी जोसेफ (अधिभोगी / Occupier : Ms.Sini Joseph), Puthalam Constructions Pvt. Ltd ,PP
1408A, V.K.Crusher Vellarvally, Peravoor P.O., Town/Village - Peravoor, District-KANNUR, State-
Kerala, Pincode - 670673

को अनुज्ञप्ति अनुदत्त की जाती है।
अनुज्ञप्तिधारी की प्राप्ति: Status of licensee : Company

अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमानी है।
Licence is valid only for the following purpose.

अनुज्ञप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमानी है।
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र. सं.	नाम और विवरण	वर्ग और प्रभाग	उप-प्रभाग	मात्रा किसी एक समय में
Sr. No.	Name and Description	Class & Division	Sub-division	Quantity at any one time
1.	Nitrate Mixture	2,0	0	300 Kg.
2.	Safety Fuse	6,1	0	750 Mtrs
3.	Electric/Non Electric(Nonel) Detonators	6,3	0	4000 Nos.

ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञप्ति के लिए] : 3 times as above.

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

निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त परिसर की पुष्टि होती है। रेखाचित्र क्र. (Drawing No.) E/SE/KL/22/328 (E130393)
दिनांक (Dated) 02/08/2021

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

अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:
Survey No. 20/102, ग्राम (Town/Village) : Kolayad Amsom, Puthalam Decan, Thiruvananthapuram Taluk, पुलिस थाना (Police Station) : Peravoor

जिला (District) KANNUR राज्य (State) Kerala पिनकोड (Pincode) 670650
दूरभाष (Phone) 9447411260 ई. मेल (E-Mail) फेक्स (Fax)

अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्निहित हैं। 2 Portable Magazines of B & D type bearing Sl.Nos.05 & 938 respectively fabricated by M/s.Thekkans Engineering & Fabrication Works, Ernakulam

The licensed premises consist of following facilities.

अनुज्ञप्ति 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.

- उपयुक्त 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.
- अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तों और अतिरिक्त शर्तों।
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्रारूप DE-2 | Distance Form DE-2.

यह अनुज्ञप्ति तारीख 31 मार्च 2026 तक विधिमानी रहेगी। This licence shall remain valid till 31st day of March 2026.

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

Copy of Explosive

Annexure No.4



ലൈസൻസ് നമ്പർ : JC3-4446/2023-2028/266 തീയതി : 07/09/2023

കോളയാട് ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും 1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13232, 233, 234, 264 എന്നീ വകുപ്പുകളും അതേ തുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന

ഫാക്ടറികൾ, വ്യവസായങ്ങൾ, സംരംഭങ്ങൾ, മറ്റ് സേവനങ്ങൾ എന്നിവയ്ക്കായി നൽകുന്ന ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	സിനി ജോസഫ്, പുത്തലം കൺസ്ട്രക്ഷൻ പ്രൈവറ്റ് ലിമിറ്റഡ്, പി പി 11 408 എ, വി കെ ക്രഷർ, വെള്ളാർവള്ളി, കണ്ണൂർ	
സ്ഥാപനത്തിൻറെ പേരും സ്ഥലനാമവും	പുത്തലം കൺസ്ട്രക്ഷൻ പ്രൈവറ്റ് ലിമിറ്റഡ്	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽ വനനവും വിൽപ്പനയും നടത്തുന്നതിന്	
കെട്ടിടത്തിൻറെ നമ്പരും വാർഡ് നമ്പരും	9/212 A(OFFICE) SURVEY NO: 21/149, 21/124, 21/145, 21/148, 21/147, 21/156, 21/144	
ലൈസൻസ് കാലയളവ്	07/09/2023 മുതൽ 31/03/2028 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	5000(LICENSE FEES CURRENT) + 2500 (PROFESSIONAL TAX) 20000(LICENSE FEES ADVANCE FOR 4 YEARS)	രസീത് നമ്പർ
		1230101064(07/09/2023) 1230101065(07/09/2023)
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം)	ENVIRONMENTAL CLEARANCE ISSUED BY SEIAA : EC23B001KL163866(10/08/2023) EXPLOSIVE LICENSE ISSUED BY PESO, ERNAKULAM: E/SE/KL/22/328(E130393) DATED 05/08/2021 VALID UPTO 31/03/2026 MINING AND GEOLOGY CERTIFICATE FOR EXTRACTION OF GRANITE BUILDING STONE: 9142/M3/2020 DATED 02/11/2020 VALID FOR 12 YEARS FROM THE DATE ISSUED BY DIRECTOR OF MINING AND GEOLOGY, THIRUVANANTHAPURAM POLLUTION CERTIFICATE BY KPCB: NOT SUBMITTED	
THE LICENSE SHALL BE VALID UPTO THE DATE WHICH OTHER STATUTORY LICENSE/PERMIT ARE VALID		
ഓഫീസ് മുദ്ര	ഡിജിറ്റൽ സൈൻ Digitally signed by PREETHA CHERUVALATH Date: 2023.09.07 16:37:06 IST Reason: LGMS Govt of Kerala കോളയാട് ഗ്രാമപഞ്ചായത്ത്	

Copy of Panchayat license

Annexure No.5

भारतीय गैर न्यायिक
भारत INDIA

On production of the original Instrument I have
Satisfied that the proper Stamp duty worth of
₹ 500 (Rupees Five Hundred) has been charged
The above is the 15th day of May 2024
INDIA NON JUDICIAL

पाँच सौ रुपये **Rs. 500**

FORM H
(See Rule 43)
QUARRYING LEASE

This deed of lease made on this the 15th day of APRIL 2024 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 and assigns) of the one part and M/s Puthalam Constructions Private Limited, (CIN:U45201KL2019PTC057521), PP 11 408A, V.K Crusher, Vellarvally, Kannur District – 670673 (Represented by its Director, Smt. Sini Joseph) (Aadhaar No.948568384149) (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.

JAGADEESAN. K.R
GEOLOGIST
DEPT. OF MINING & GEOLOGY
DISTRICT OFFICE, KANNUR

PUTHALAM CONSTRUCTIONS PRIVATE LIMITED
15/4/2024
DIRECTOR
Sini Joseph

Stamp Depot
04 APR 2024
DISTRICT TREASURY KANNUR

5683 Sini Joseph Director, Puthalam
Constructions Pvt. Ltd.
Vellarvally

11-4-24
കണ്ണൂർ താലൂക്ക് ആഫീസ് അക്ടീവ്
റവന്യൂ കെ. പി. ഓഫീസ്

Copy of lease Deed

Annexure No.6

**TEST REPORT**

ULR No: TC1293925000001134F		
LRI No.: SEAAL25012038A	Date: 29-01-2025	Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address	Smt.Sini Joseph Director, M/s Puthalam Construction Private Limited PP11 408 A, V.K Crusher, Vellarvally, Kannur District.
Customer Reference	Test Request date: 24-01-2025

SAMPLE DETAILS

Product Category	Atmospheric Pollution	Sample Code	EN25010964
Sample Name	Ambient Air	Sample Received on	25-01-2025
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	26-01-2025
Sampled by	Lab Authorized Sampler	Test Completed on	28-01-2025

DETAILS OF SAMPLING

Sampling Location	Project Site	Date of Sampling	24-01-2025
Sampling Procedure	SEAAL/CHL/SOP/7.3/02	Humidity	68 %

INFORMATION PROVIDED BY CUSTOMER -SAMPLING SITE DETAILS

Survey No.	21/149,21/124,21/145,21/148,21/147,21/156,21/144(Old Sy No.21/1A1)		
Village	Kolayad	Taluk	Thalassery
District	Kannur	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	50.1	100 (Max)
2	Particulate matter ,PM _{2.5}	IS 5182 (Part 24): 2019	µg/m ³	23.2	60 (Max)
3	Sulphur dioxide as SO ₂	IS 5182 (Part 2): 2001	µg/m ³	4.40	80 (Max)
4	Nitrogen dioxide as NO ₂	IS 5182 (Part 6): 2006	µg/m ³	5.27	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.

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

Result of ambient Air

Annexure No.7

**TEST REPORT**

ULR No: TC1293925000001135F		
LRI No.: SEAL25012039A	Date: 29-01-2025	Page 1 of 2

CUSTOMER DETAILS

Customer Name & Address	Smt.Sini Joseph Director, M/s Puthalam Construction Private Limited PP11 408 A, V.K Crusher, Vellarvally, Kannur District.
Customer Reference	Test Request date: 24-01-2025

DETAILS OF MONITORING

Product Category	Atmospheric Pollution	Sample Code	EN25010965
Sample Name	Ambient Noise	Monitoring Commenced on	24-01-2025
Test Method	IS 9989:1981	Monitoring Completed on	25-01-2025
Monitoring Location	Project Site	Monitored by	Lab Authorized Sampler

INFORMATION PROVIDED BY CUSTOMER -SAMPLING SITE DETAILS

Survey No.	21/149,21/124,21/145,21/148,21/147,21/156,21/144(Old Sy No.21/1A1)		
Village	Kolayad	Taluk	Thalassery
District	Kannur	State	Kerala

MONITORING RESULTS - Leq

TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	39.4	14:00	52.8	22:00	38.2
07:00	42.2	15:00	53.2	23:00	37.4
08:00	46.7	16:00	54.4	24:00	40.1
09:00	50.3	17:00	54.8	01:00	40.9
10:00	52.8	18:00	49.1	02:00	40.5
11:00	56.0	19:00	45.5	03:00	41.3
12:00	53.2	20:00	41.4	04:00	40.1
13:00	52.4	21:00	40.9	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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TEST REPORT

ULR No: TC1293925000001135F

LRI No.: SEAL25012039A

Date: 29-01-2025

Page 2 of 2

Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	51.3
2	Ambient Sound Level (Leq) Night Time	dB(A)	40.6

Remarks:

End of Report




Shency Joy
TM - Chemical
 Checked by




Ramar R.
Technical Head
 Authorized Signatory

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Result of ambient Noise

Annexure No.8

**TEST REPORT****ULR No: TC129392500001136F**

LRI No.: SEAAL25012040A

Date: 29-01-2025

Page 1 of 2

CUSTOMER DETAILS

Customer Name & Address	Smt.Sini Joseph Director, M/s Puthalam Construction Private Limited PP11 408 A, V.K Crusher, Vellarvally, Kannur District.
Customer Reference	Test Request Date: 24-01-2025

SAMPLE DETAILS

Product Category	Water	Sample Code	WT25010793
Sample Name	Ground Water	Sample Received on	25-01-2025
Sample Description by Customer	Open Well Water	Temperature @ Receipt	4°C
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	26-01-2025
Sample Quantity & Packing	2 L & 125 ml in a Plastic Bottle	Test Completed on	29-01-2025
Information Provided by Customer	---	Sampled by	Lab Authorized Sampler

DETAILS OF SAMPLING

Sample Source	Project Site	Date of Sampling	24-01-2025
Sampling Procedure	SEAAL/QAD/SOP/7.3/01	Sample Temperature	27°C

INFORMATION PROVIDED BY CUSTOMER -SAMPLING SITE DETAILS

Survey No.	21/149,21/124,21/145,21/148,21/147,21/156,21/144(Old Sy No.21/1A1)		
Village	Kolayad	Taluk	Thalassery
District	Kannur	State	Kerala

TEST RESULTS- CHEMICAL DISCIPLINE

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
1	Colour	IS 3025 (Part 4): 2021	Hazen	1	5 (Max)
2	Odour	IS 3025 (Part 5): 2018	---	Agreeable	Agreeable

Shency Joy
TM - Chemical
Checked by



Remya B.
TM-Biological
Authorized Signatory

Ramar R.
Technical Head
Authorized Signatory

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



TEST REPORT

ULR No: TC1293925000001136F

LRI No.: SEAL25012040A

Date: 29-01-2025

Page 2 of 2

TEST RESULTS- CHEMICAL DISCIPLINE

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
3	Turbidity	IS 3025 (Part 10): 2023	NTU	<0.10	1.0 (Max)
4	pH @ 25°C	IS 3025 (Part 11): 2022	---	7.11	6.50-8.50
5	Conductivity	IS 3025 (Part 14): 2013	μS/cm	85.4	---
6	Total Dissolved Solids @ 180°C	IS 3025 (Part 16): 2023	mg/L	55.2	500 (Max)
7	Total Hardness as CaCO ₃	IS 3025 (Part 21): 2009	mg/L	26.5	200 (Max)
8	Calcium as Ca	IS 3025 (Part 40): 1991	mg/L	8.20	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	12.0	250 (Max)
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 2023	mg/L	8.00	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	1.45	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
TM - Chemical
 Checked by




Remya B.
TM-Biological
 Authorized Signatory


Ramar R.
Technical Head
 Authorized Signatory

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

Result of Ground Water

Annexure No.10

PUTHALAM CONSTRUCTIONS PRIVATE LIMITED

PP 11 408A, VK CRUSHER, VELLARVALY, KANNUR, KERALA, INDIA-670673

CIN:U45201KL2019PTC057521

From ,

Sini Joseph

Director,

Puthalam Constructions Pvt Ltd., Vellarvally.

To,

Medical officer

Periva PHC,

Kolayad, Kannur.

വിഷയം:

CSR Fund ഉപയോഗിക്കുന്നത് സംബന്ധിച്ച്

സർ,

ഞാൻ കോളയാട് പഞ്ചായത്തിൽ പുത്തലം ദേശത്ത് നടത്തി വരുന്ന കരിങ്കൽ ക്വാറിയുടെ പ്രവർത്തനവുമായി ബന്ധപ്പെട്ട് CSR Fund ഉപയോഗിച്ച് താങ്കളുടെ സ്ഥാപനത്തിലെ Immunity Centre-ലെക്ക് കസേരകളും Room-ലെക്ക് ACയും വാങ്ങിത്തരുവാൻ എൻ്റെ സ്ഥാപനം തയ്യാറാണ്. ആയതിന് ആവശ്യമായ മാർഗനിർദ്ദേശങ്ങൾ തരുവാൻ അഭ്യർത്ഥിക്കുന്നു.

Date : 15-03-2025

എന്ന്,

Place : Kolayad

Sini Joseph

Director,

Puthalam Constructions Pvt Ltd.

Received. 
25/03/2025

മെഡിക്കൽ ഓഫീസർ
സ്വാമി ഓഫീസ് കേന്ദ്രം
പെരുവ, പി. ഒ. പെരുവ
കണ്ണൂർ ജില്ല - 670 650



താഴെ പറയുന്നവർക്ക് പരന്ന immunisation
 Centre ലെങ്കുള വിൽപ്പിംഗിന്റെ പതി മൂലം നന്ന
 വരുന്നവർക്കും അതിനാൽ വിൽപ്പിംഗ് പതി
 പൂർത്തിയാക്കുന്ന മുറയ്ക്ക് മേൽ ഫണ്ട് ഉപയോഗിച്ചു
 പാപനങ്ങൾ എത്തിച്ചു നൽകുന്ന സാധി പ്രീകരിക്കലാക്ക
 പരിഷ്കരിച്ച പൂർത്തിയാക്കുന്ന വിവരം ഈ രാഷ്ട്രീയ
 നിന്നും താഴെ അറിയിക്കുന്നുണ്ട്


 20/03/2025

ജെ.വി.കെ. ബി.സി.സി.
 പാലക്കാട് റോഡ് കോമ്പ്
 പെരുമ്പ, പി. ഒ. പെരുമ്പ
 കണ്ണൂർ ജില്ല - 670 650



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 കണ്ണൂർ ജില്ല - 670 650

PUTHALAM CONSTRUCTIONS PVT LTD

KP IX 212.A, PUTHALAM, KOLAYAD PO, KANNUR - 670650, KERALA PUTHALAM KANNUR - 670650

Ledger of CSR ACTIVITY PAYMENT From 01/04/2024 To 31/03/2025

Date	Reference	Particulars	Debit	Credit	Balance
27/09/2024	CP-383	MEDICAL (DIALYSIS) EXPENSE PAID C/O PREMAN VAYANNUR REC BY VKB	5000.00		5000.00 Dr
Total			5000.00		
Closing Balance				5000 Dr	

CER/CSR Details