

ENVIRONMENTAL  
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environmental Single-Window Hub)



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

To,

The -1  
VARGHESE PAUL  
Naduvattu veetil  
Padayattil  
Plamudi, Kottappady  
-683105

**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/447154/2023 dated 31 Oct 2023. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | EC24B001KL139976                                   |
| 2. File No.                                | 2436/EC1/2023/SEIAA                                |
| 3. Project Type                            | New  |
| 4. Category                                | B  |
| 5. Project/Activity including Schedule No. | 1(a) Mining of minerals                            |
| 6. Name of Project                         | Ordinary earth mining project of Mr. Paul Varghese |
| 7. Name of Company/Organization            | VARGHESE PAUL                                      |
| 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: 26/07/2024

(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.*

*This is a computer generated cover page.*





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

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

**Sub:- SEIAA - Environmental Clearance for the removal of Ordinary Earth to Sri.  
Paul Varghese, Naduvattu Veetil, Padayattil, Plamudi, Kottappady,  
Ernakulam - Granted – Orders issued.**

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**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA**

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**Proposal No: SIA/KL/MIN/447154/2023**

**File No. 2436/EC1/2023/SEIAA**

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- Ref: 1. EC application received from Sri. Paul Varghese via PARIVESH on 31.10.2023.  
2. Minutes of 163<sup>rd</sup> SEAC meeting held on 16<sup>th</sup>, 17<sup>th</sup> & 18<sup>th</sup> April 2024.  
3. Minutes of the 142<sup>nd</sup> meeting of SEIAA held on 30<sup>th</sup> & 31<sup>st</sup> May 2024

**ENVIRONMENTAL CLEARANCE NO. 178 /OE/2024**

Sri. Paul Varghese, Naduvattu Veetil, Padayattil, Plamudi, Kottappady, Ernakulam submitted an application for Environmental Clearance vide paper read as 1<sup>st</sup> above for the removal of Ordinary Earth from an area of 0.9099 Ha at Block No.32, Re-Sy Nos. 306/1-4 & 306/1-5 in Keezhmad Village, Aluva Taluk, Ernakulam. The project details are as follows.

## 1) Project Details

SL.No.	Particulars	Details
1	Name of the Project	Removal of Ordinary Earth Project of Sri. Paul Varghese
2	Proposed Activity	Removal of Ordinary Earth
3	Name of the Sector & Schedule No. (in the EIA Notification, 2006)	Category B2, Schedule 1(a)
4	Name & Address of the Project Proponent	Sri. Paul Varghese Naduvattu Veetil Padayattil, Plamudi Kottappady Ernakulam - 683105
5	Project Location	
	a) Block No.	32
	b) ReSurvey Nos.	306/1-4, 306/1-5
	c) Revenue Village	Keezhmad
	d) Taluk	Aluva
	e) District	Ernakulam
7	Extent (in Hectare)	0.9099 Ha
8	Project Cost (in Lakh)	Rs.25 Lakh
9	Mineable Resource	The Mining & Geology Department shall reassess the mineable quantity as per Specific Condition No.(4)

## 2) EMP Details

Sl.No.	Items	Details	Capital Cost (in Rs)	Recurring Cost (in Rs.)
1	Noise Pollution Control	<ul style="list-style-type: none"> <li>Maintenance of machineries and vehicles.</li> </ul>	60000	25000

		<ul style="list-style-type: none"> <li>• PPEs</li> <li>• Temporary sheet fencing.</li> <li>• Machineries with silencers will be used.</li> <li>• Speed of the trucks will be limited to 25 Km/h.</li> <li>• Limiting noise levels to 70-75 dB.</li> <li>• Mining will be conducted during day time.</li> </ul>		
2	Air Pollution Control	<ul style="list-style-type: none"> <li>• Sprinklers</li> <li>• Dust Masks</li> <li>• Trucks covered with sheets</li> <li>• Surrounding area will be covered with fiber sheets</li> </ul>	60000	25000
3	Water Pollution Control	<ul style="list-style-type: none"> <li>• Garland drains</li> <li>• Water storage tank</li> <li>• Temporary barrier of green fiber sheets</li> </ul>	60000	25000

4	Health & Safety	<ul style="list-style-type: none"> <li>• PPEs</li> <li>• First aid box</li> </ul>	40000	20000
5	Reclamation & Rehabilitation	<ul style="list-style-type: none"> <li>• Plantation</li> </ul>	55000	25000
<b>Total</b>			<b>Rs.2,75,000/-</b>	<b>Rs.1,20,000/-</b>
<b>Grand Total</b>			<b>Rs.3,95,000/-</b>	

### 3) CER Details

Sl.No.	Activity	Cost (Rs.)
1	Provision of RESmart GII BIPAP System for Family Health Center Keezhmad, Ernakulam.	50,000
	<b>Total</b>	<b>Rs.50,000/-</b>

2. After due appraisal of the project based on Form 1, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent, the SEAC in its 163<sup>rd</sup> meeting, recommended EC for the mine life of 2 (Two) years subject to certain specific conditions in addition to the general conditions. As per the approved mining plan, the mine life is 2 years.

3. In the 142<sup>nd</sup> SEIAA meeting, the Authority perused the proposal and noted the decisions of SEAC meetings held on different dates. The Authority also noted that the SEAC in its 163<sup>rd</sup> meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

In this circumstance, the Authority decided to issue Environmental Clearance for the project life of 2 (Two) years, subject to the following Specific Conditions in addition to the General 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The general slope of the area should be maintained.*
- 4. The mining should be restricted to a maximum depth of 2.0m as proposed in the mining plan.***
- 5. Proper benches should be provided at an interval of every 1.5m.*
- 6. The excavated earth should be not used for the reclamation of paddy fields and / or wetlands.*
- 7. The excavation activity should not involve blasting.*
- 8. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 9. The excavation activity should not alter the natural drainage pattern of the area.*
- 10. The excavated pit should be restored by the Project Proponent for agriculture and other useful purposes.*
- 11. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 12. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 13. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 14. Workers/labourers should be provided with facilities for drinking water and sanitation.*

15. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
16. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
17. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
18. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
19. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
20. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
21. *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 5.00 pm)*
22. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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.*
23. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> 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.*

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

**4. Environmental Clearance, under Notification S.O. No.1533 (E) dated 14.09.2006 of the Ministry of Environment & Forests, Government of India, is hereby accorded to Sri. Paul Varghese, Naduvattu Veetil, Padayattil, Plamudi, Kottappady, Ernakulam - 683105 for the removal of Ordinary Earth from an area of 0.9099 Ha at Block No.32, Re-Sy Nos. 306/1-4, 306/1-5 in Keezhmad Village, Aluva Taluk, Ernakulam for the quantity reassessed by Mining & Geology Department as per specific condition No. (4) for the project life of 2 (Two) years from the date of issue of Permit from Department of Mining and Geology as per S.O.1807 (E) dated 12.04.2022 of MoEF & CC, subject to the Specific Conditions stipulated by SEIAA in Para 3<sup>rd</sup> above in addition to the following General Conditions.**

#### **General Conditions**

- 1. Proponent should obtain all necessary statutory clearances for mining of ordinary earth.*
- 2. Mining has to be carried out as per approved Mining Plan, suggestions from SEAC, KMMC Rules 2015 and amendments there by and all other statutory rules and orders.*
- 3. The mining activity shall not involve blasting.*
- 4. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 5. The maximum depth of removal of earth should be as per the approved Mining Plan and as per the recommendations of SEAC.*
- 6. Removal of earth should be restricted to 2m above the average ground water table level at the site. The decision taken by the expert team of SEAC in this regard vis-a – vis details given in mining plan after the field inspection shall be final.*
- 7. If the mining depth exceeds 3m, benches of 2m x 2m are to be provided to prevent any slope failure.*
- 8. Mining shall not be carried out during heavy rains and excavation shall not alter the*



*natural drainage pattern of the area.*

- 9. The minimum distance norm from the boundary / periphery of other properties/ buildings / civil structures as prescribed in KMMC rules or any other statutory rules and orders shall be followed.*
  - 10. Appropriate Necessary measures are to be taken to protect the immediately adjacent structures and properties by construction of retaining walls and formation of benches 1.5 to 2MT as prescribed in mining plan.*
  - 11. Appropriate fencing all around the burrowed/excavated pit shall be provided to prevent any mishap.*
  - 12. All safety measures are to be adopted if machines are used for mining.*
  - 13. Measures shall be taken to prevent dust pollution at site while mining and by covering of burrowed/excavated earth during transportation.*
  - 14. The quantity of ordinary earth to be excavated and the site where it is to be deposited shall be fixed as given in the application for EC.*
  - 15. The excavated earth shall not be used for filling paddy fields and wet lands or any other prohibited activities.*
  - 16. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to burrowing/excavation of earth.*
  - 17. Applicable labour laws for mining shall be followed. Workers/labourers shall be provided with facilities for drinking water /sanitation/safety equipments etc.*
  - 18. The burrowed/excavated pit shall be restored/reclaimed by the project proponent for useful purpose(s) as specified in the progressive and final closure plans.*
  - 19. In case of transfer of EC, approval from SEIAA should be obtained as per existing norms.*
  - 20. The Environmental Clearance is liable to be cancelled in case of violation of any of the above conditions.*
5. Validity of the Environmental Clearance will be for **Two (2) years** from the date of execution of valid mine lease / permit from Mining & Geology Department, subject to earlier review by SEAC in case of violation or non – compliance of any of the conditions or genuine complaints from residents within the security area of the quarry
6. Violation of any of the above Specific & General Conditions as applicable to the particular case will entail cancellation of the Environmental Clearance, in addition to legal

action under the provisions of the Environment (Protection) Act, 1986. Non-compliance, if any shall be reported to the District Collector, Ernakulam by the State Level Environment Impact Assessment Authority - Kerala

7. 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.

8. The given address for correspondence of the Project Proponent is Sri. Paul Varghese, Naduvattu Veetil, Padayattil, Plamudi, Kottappady, Ernakulam - 683105.

**Sd/-**  
**Administrator, SEIAA**  
**For Member Secretary, SEIAA**

To  
Sri. Paul Varghese  
Naduvattu Veetil  
Padayattil, Plamudi  
Kottappady  
Ernakulam - 683105

Copy to :-

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: [rosz.bng-moefcc@gov.in](mailto:rosz.bng-moefcc@gov.in))
2. The Secretary, Environment Department, Government of Kerala
3. The Member Secretary, Kerala State Pollution Control Board, Trivandrum
4. The District Collector, Ernakulam
5. The Director, Directorate of Environment & Climate Change, Trivandrum
6. The Director, Mining & Geology, Trivandrum
7. The District Geologist, Ernakulam
8. The Environmental Engineer, KSPCB, Ernakulam
9. The Tahsildhar, Aluva Taluk, Ernakulam
10. The Secretary, Keezhmad Grama Panchayath, Ernakulam
11. The Chairman, SEIAA
12. Website
13. SF/O/C