



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

To,

The -1  
 MURALEEDHARAN LEKSHMANAN  
 Muraleedharan .L,  
 Kailasamangalath Puthanveedu  
 Vendhar P.O  
 Kottarakkara  
 Kollam -691507

**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/424274/2023 dated 28 Jul 2023. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC24B001KL195229
2. File No.	540/A1/2019/SEIAA
3. Project Type	New
4. Category	B
5. Project/Activity including Schedule No.	1(a) Mining of minerals
6. Name of Project	Laterite Building Stone Quarry Project of Mr.Muraleedharan. L
7. Name of Company/Organization	MURALEEDHARAN LEKSHMANAN
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: 23/10/2024

(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, SEIAA, Sri. K. Krishna  
Panicker, Member, Dr. Rathan U. Kelkar, IAS, Member Secretary)*

**Sub:- SEIAA - Environmental Clearance for the Laterite Building Stone Quarry  
Project of Sri. Muraleedharan L., Kailasamangalath Puthan Veedu, Vendhar  
P.O., Kottarakkara, Kollam - Granted – Orders issued.**

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

**Proposal No. SIA/KL/MIN/424274/2023**

**File No. 540/A1/2019/SEIAA**

- Ref: 1. Application for EC received from Sri. Muraleedharan L on 28.07.2023  
2. Minutes of the 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 146<sup>th</sup> SEIAA meeting held on 29<sup>th</sup> and 30<sup>th</sup> July 2024

**ENVIRONMENTAL CLEARANCE NO. 209/L/2024**

Sri. Muraleedharan L., Kailasamangalath Puthan Veedu, Vendhar P.O., Kottarakkara, Kollam, read as 1<sup>st</sup> paper above submitted an application for Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.1158 Ha at Block No. 9, Re-Survey No. 467/8-2 in Neduvathoor Village, Kottarakara Taluk, Kollam.

**1. Project Details**

Sl.No	Particulars	Details
1	Name of the Project	Laterite Building Stone Quarry Project of Sri. Muraleedharan L
2	Proposed Activity	Mining of Laterite Building Stone
3	Name of the Sector &	Category B2, Schedule 1(a)

	Schedule No. (in the EIA Notification, 2006)	Mining of Minerals
4	Name & Address of the Project Proponent	Sri. Muraleedharan L., Kailasamangalath Puthan Veedu, Vendhar P.O Kottarakkara Kollam, 691507
5	Project Location	
	a) Block No.	9
	b) Re - Survey No.	467/8-2
	c) Village	Neduvathoor
	d) Taluk	Kottarakara
	e) District	Kollam
6	Extent (in Hectare)	0.1158 Ha
7	Project Cost	Rs. 15,60,000/-
8	Mineable Reserve	15000 MT

## **II.EMP Details**

Activity	Mitigation Measures Proposed	Capital Cost
Noise and Air Pollution Control	Sprinkling water on haul roads and working area to suppress dust by water tanker, Planting of Trees, Bushes and scrubs. Machineries and equipment shall be provided with mufflers of adequate size in the mine. Noise from vehicles shall be reduced by using mufflers and better maintenance of the equipment. Noise level shall be maintained at 85 dBA, Personal Protective Equipment shall be used.	1,00,000

Water Pollution Control	Provision of garland drain to channelize the water to the settling pit through filtration. Overflow Clean water to be released to natural drain after filtration on the Northeast side of the applied area. Working shall be restricted much above the nearest well water level on the south side of the Applied area. (0.0314ha)	1,00,000
Solid Waste Management & Domestic Effluent management	OB waste shall provided at a designated area in own land. Retaining boulder wall shall be provided all along the lower slope of the dump. Slope shall be covered with vetiver grass to provide stability and prevent erosion. Provision of Soak pit for waste water and dust bins for solid waste which shall be regularly cleaned.	50,000
Reclamation/Rehabilitation of Minedout Area	Backfilling the pit leaving some part for Drainage system and rain water harvest pond outside the applied area. Plantation of 410 nos species on the backfilling and exhaust benches to stabilize and prevent sliding. Maintaining the benches to 45 degrees slope angle. (0.1009 ha)	3,00,000
<b>TOTAL</b>		<b>Rs. 5,50,000/-</b>

### **III. CER Details**

<b>Activity</b>	<b>Amount (in Rs.)</b>
Water Purifier for Govt.LP School , Anakottoor, Neduvathoor Panchayath	30,000
<b>Grand Total</b>	<b>Rs. 30,000/-</b>

2. After due appraisal, in the 163<sup>rd</sup> SEAC meeting, the Committee recommended EC for the mine life of 1 year subject to certain Specific Conditions in addition to the General Conditions.

3. In the 146<sup>th</sup> meeting of SEIAA, the Authority noticed that the SEAC had appraised the project based on Form 1, Pre-Feasibility Report, Mining Plan and the additional details/documents. The Authority also noted the clarification letter submitted by the Project Proponent dated 25.06.2024 regarding the discrepancies observed in production plan in the previous and present mining plan and found satisfactory. As per the letter, the present mining plan was prepared by considering the already excavated area as part of the previous EC and the quantity proposed for mining is 15,000MT.

**In the above circumstances, the Authority decided to issue Environmental Clearance for the project life of 1 (One) year with a production of 15,000 MT, 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 mining should be restricted to a maximum depth of 7m below ground level as per the clarification submitted dated 25.06.2024, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area*
- 8. The excavated pit should be restored by the Project Proponent for agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*

10. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
11. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
12. Workers/labourers should be provided with facilities for drinking water and sanitation.
13. 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.
14. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
15. 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.
16. 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.
17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
19. 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)
20. 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.
21. 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.*

*22. 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. Muraleedharan L., Kailasamangalath Puthan Veedu, Vendhar P.O Kottarakkara, Kollam, for the Laterite Building Stone Quarry project for an area of 0.1158 Ha at Re-Survey No. 467/8-2 in Neduvathoor Village, Kottarakara Taluk, Kollam, for the quantity of 15000 MT, for the project life of One (1) year from the date of issuance of mine permit, from the Mining and Geology Department subject to the Specific Conditions suggested by SEIAA in Para 3 above in addition to the following General Conditions.**

**General Conditions**

- 1. Proponent should obtain all necessary statutory clearances for mining.*
- 2. Appropriate fencing all around the burrowed/excavated pit shall be made to prevent any mishap.*
- 3. Proper retaining wall shall be provided for safeguarding the immediately adjacent property, other buildings and civil structures.*
- 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 or as specified in mining plan.*
- 5. Mining shall be done as per mining plan and suggestions by SEAC.*
- 6. The mining activity should not involve blasting*
- 7. The excavation shall not alter the natural drainage pattern of the area.*
- 8. Appropriate measures shall be taken to prevent dust pollution caused during laterite cutting.*
- 9. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to burrowing/excavation of laterite building stone.*

10. *Provide 2m x 2m benches for mining depth greater than 3m to prevent slope failures. For soil and soft formation the benches of height 1.5m to 2m are to be provided to prevent collapse of wall.*
11. *Maximum depth of removal of laterite building stone should be limited to 1 m above the clay layer (Lithomarge clay layer). The level should be prominently marked before initiating the work.*
12. *Removal of laterite building stone should be restricted to 2m above the ground water table at the site. The decision taken by the expert team of SEAC in this regard, in relation to details provided in the mining plan, after the field inspection shall be final.*
13. *The top soil and overburden shall be stacked in separate demarcated area and shall be used for reclaiming the excavated pit. Proper measures shall be provided to prevent the erosion of the stacked material.*
14. *The burrowed/excavated pit shall be restored by the project proponent for useful purpose(s) as specified in the mining plan.*
15. *Measures shall be taken to prevent dust pollution by covering of burrowed/excavated laterite building stone during transportation.*
16. *Applicable labour laws for mining shall be followed. Proper masks and onsite facilities shall be provided to the workers. All safety measures shall be followed while cutting laterite using machines.*
17. *Mine has to be closed as per progressive mine closure plan and final mine closure plan.*
18. *If EC period is more than 6 months, half yearly compliance report shall be submitted to SEIAA.*
19. *The Environmental Clearance shall be liable to be cancelled in case of violation of any of the above conditions.*
20. *The minimum distance norm from the boundary/periphery of other properties buildings/civil structures as prescribed in KMMC Rules and other statutory rules and orders shall be followed.*
21. *Suitable indigenous plants should be planted around the mining area and sides of the haul road as green belt.*

5. Validity of the Environmental Clearance will be for a period of **One (1) year** from the date of execution of valid mine lease / permit from Mining & Geology Department,



subject to the review by SEAC or early review of EC in case of violation or non-compliance of 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, Kollam** by the State Level Environment Impact Assessment Authority.

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. Muraleedharan L., Kailasamangalath Puthan Veedu, Vendhar P.O., Kottarakkara, Kollam, 691507.

To,

Sri. Muraleedharan L.,  
Kailasamangalath Puthanveedu,  
Vendhar P.O  
Kottarakkara  
Kollam, 691507,

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-mefcc@gov.in)
2. The 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, Kollam
5. The Director, Mining & Geology, Thiruvananthapuram -4.
6. The Member Secretary, Kerala State Pollution Control Board, Thiruvananthapuram
7. The District Geologist, Kollam
8. The Environmental Engineer, KSPCB, Kollam
9. The Tahsildhar, Kottarakkara Taluk, Kollam
10. The Secretary, Neduvathur Grama Panchayath, Kollam
11. The Chairman, SEIAA.
12. Website.
13. S/f / O/c