



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

To,

The Applicant

THANKAPPAN M M

MANAYKKAMALAYIL VEEDU ARAKKANNAM P.O
EDAKKATTUVAYAL KANAYANNUR -682313

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/177504/2020 dated 11 Nov 2020. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B001KL129059
2. File No.	1864/EC3/2020/SEIAA
3. Project Type	New
4. Category	B2
5. Project/Activity including Schedule No.	1(a) Mining of minerals
6. Name of Project	Thankappan M M
7. Name of Company/Organization	THANKAPPAN M M
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: 06/01/2023

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

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

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

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

Sub: SEIAA - Environment Clearance for Laterite Building Stone Quarry Project of Sri. Thankappan M.M., for an area of 0.0970 at Re-Survey No-55/1-4 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala - Granted – Orders issued.

State Level Environment Impact Assessment Authority, Kerala

Proposal No. SIA/KL/MIN/177504/2020

File No. 1864/EC3/2020/SEIAA

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- Ref: 1. O.M.No.L-11011/47/2011-1AII (M) dated 24.06.2013 of the Ministry of Environment & Forests, Government of India.
2. Application from Sri. Thankappan M.M., received on 11-11-2020.
3. Minutes of the 133rd meeting of the SEAC held during 11th to 13th October, 2022.
4. Minutes of the 120th meeting of SEIAA held on 25th & 26th November 2022.
5. G.O (Rt.) No.29/2019/Env dt.12.04.2019

ENVIRONMENTAL CLEARANCE NO. 5/L/2023

Sri. Thankappan M.M, Manaykkamalayil Veedu, Arakkunnam P.O., Ernakulam, Kerala - 682 313, submitted an application for Environmental Clearance through PARIVESH on 11-11-2020 for the Laterite Building Stone Quarry Project for an area of 0.0970 ha. in Re - Survey No-55/1-4 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala.

SL. No.	Particulars	Details
1	Name of the Project	Laterite Building Stone Quarry Project of Sri. Thankappan M.M
2	Proposed Activity	Mining of Laterite Building Stone
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. Thankappan M.M, Manaykkamalayil Veedu, Arakkunnam P.O. Ernakulam, Kerala - 682 313.
5	Project Location	
	a) Re. Survey No:	55/1-4
	b) Revenue Village & Panchayat	Edakattuvayal
	c) Taluk	Kanayannur
	d) District	Ernakulam
6	Geo Co-ordinates	Latitude 09 ⁰ 52'44.53"N to 09 ⁰ 52'45.80"N Longitude 76 ⁰ 25'45.65"E to 76 ⁰ 25'47.92"E
7	Extent (in Hectare)	0.0970
8	Project Cost	5,00,000 Lakh
9	Mineable Resource	7275MT (As per approved Mining Plan)

2. In the 133rd meeting of the SEAC, the Committee verified the documents and recommended EC for a period of 1 year from the date of issuance of permit from the Mining and Geology Department, subject to certain Specific Conditions in addition to the General Conditions.

3. In the 120th meeting of SEIAA, the Authority decided to issue Environmental Clearance for the project life of 1 (one) year for the quantity mentioned in the approved Mining Plan 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 its amendments*

thereby.

- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area*
- 7. The excavated pit should be restored by the project proponent for useful purpose*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 9. Measures should be taken to prevent dust emission by covering of excavated earth during transportation*
- 10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth*
- 11. Workers/labourers should be provided with facilities for drinking water and sanitation*
- 12. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation*
- 13. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area*
- 14. 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.*
- 15. 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.*
- 16. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 17. Measures incorporated in the CER should be implemented as per norms*
- 18. 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).*

19. 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 CER activities and the Environment Management Plan (EMP) as directed by SEAC during appraisal, from the beginning of the project, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
20. 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.
21. 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 26.09.2006 read with O.M. as 1st paper above of the Ministry of Environment & Forest, Government of India, is hereby accorded to Sri. Thankappan M.M, Manaykkamalayil Veedu, Arakkunnam P.O., Ernakulam, Kerala - 682 313, for the mining of Laterite Building Stone, from an area of 0.0970 at Re-Sy No-55/1-4, in Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala, for the quantity mentioned in the approved Mining Plan, for a period of one year 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 suggested by SEIAA in Para 3rd 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 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 (Lithomargic 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. 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 Environment Impact Assessment Authority.

6. The given address for correspondence of the Project Proponent is Sri. Thankappan M.M, Manaykkamalayil Veedu, Arakkunnam P.O., Ernakulam, Kerala - 682 313.

Sd/-
Administrator, SEIAA
For Member Secretary, SEIAA

To,

Sri. Thankappan M.M,
Manaykkamalayil Veedu,
Arakkunnam P.O.,
Ernakulam - 682 313

Copy to:

1. The District Collector, Ernakulam
2. The Director, Directorate of Environment & Climate Change, Trivandrum
3. The Tahsildhar, Kanayannur Taluk, Ernakulam
4. The Director, Mining & Geology, Trivandrum
5. The District Geologist, Ernakulam
6. The Secretary, Edakattuvayal Grama Panchayat, Ernakulam
7. The Chairman, SEIAA
8. Stock File
9. Website
10. O/C