



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

To,

The -1
 AYIRANAZHIVADAKETHIL SOMAN
 Mr. A. K. Soman
 S/O Kumaran
 Abhayam House
 Chadikkallu
 Karuvambram West Post
 Malappuram-676123
 Mob:9446301006 -676123

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/410973/2022 dated 14 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B001KL192139
2. File No.	2216/EC6/2023/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 OF Mr. A. K. SOMAN
7. Name of Company/Organization	AYIRANAZHIVADAKETHIL SOMAN
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: 19/09/2023

(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, THIRUVANANTHAPURAM**

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

**Sub:- SEIAA - Environmental Clearance for the Laterite Building Stone Quarry
Project of Sri.A. K. Soman S/O Kumaran, Abhayam House, Chadikkallu,
Karuvambram West Post, Malappuram - Granted – Orders issued.**

State Level Environment Impact Assessment Authority, Kerala

Proposal No. SIA/KL/MIN/410973/2022

File No.2216/EC6/2023/SEIAA

- 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 received on 14.02.2023 from Sri.A. K. Soman
 3. Minutes of the 146th meeting of SEAC held on 5th to 7th July 2023
 4. Minutes of the 130th meeting of SEIAA held on 5th August 2023
 5. G.O(Rt.) No.29/2019/Env dt.12.04.2019

ENVIRONMENTAL CLEARANCE NO.147/L/2023

Sri.A. K. Soman, S/O Kumaran, Abhayam House, Chadikkallu, Karuvambram West Post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 14.02.2023 for the Laterite Building Stone Quarry Project for an area of 0.5623 Ha at Block No.28, Sy.Nos.118/10, 158/2 in Kavanur Village, Ernad Taluk, Malappuram.

1. Project Details

SL.No.	Particulars	Details
1	Name of the Project	Laterite Building Stone Quarry Project of Sri.A. K. Soman
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.A. K. Soman S/O Kumaran, Abhayam House, Chadikkallu, Karuvambram West Post, Malappuram
5	Project Location	
	a) Re.Survey Nos.	118/10, 158/2
	b) Revenue Village & Panchayat	Kavanur
	c) Taluk	Ernad
	d) District	Malappuram
6	Geo Co-ordinates	Latitude 11°12'14.74"N-11°12'17.56"N Longitude 76°04'15.58"E-76°04'18.95"E
7	Extent (in Hectare)	0.5623
8	Project Cost	Rs.20 Lakh
9	Mineable Resource	As per approved Mining Plan

(ii) EMP Details

Items	Source	Solution	Capital Cost (in Rs.)	Maintenance Cost (in Rs.)
Noise Pollution	Excavators Power tiller Movement	Effective maintenance of machineries and vehicles at regular and frequent intervals provided, PPE's, temporary	50000	25000

		sheet fencing, machineries fitted with silencer, the speed of trucks is limited to moderate speed of 25 km/h., mining exclusively during day time with a noise level of 70-75 Db		
Air Pollution	Lateritic cutting Transport of rawmaterial/ product Dumping	Sprinklers, dust masks, trucks are covered with sheets, Dumping area protected with sheet fencing, covering with fiber sheets to the surrounding, use of blade mounted power tiller, wet cutting etc.	50000	25000
Water Pollution	Dust explosion during lateritic cutting Transportation and dumping	Garland Drains, Water storage tank, Temporary barrier of Green fiber sheets.	50000	25000
Health and Safety	Machineries Vehicles	PPE's and First Aid Box	20000	10000
Reclamation and rehabilitation	Mining	Refilling the mined out area, & reclaimed with stacked and dumped overburden and rehabilitated by plantation	60000	25000
Total			230000	110000
Grand Total			340000	

(iii) **CER Details**

Sl.No.	Activity	Amount
1	Construction of toilet (25 sq.ft) for GLPS Chengara, Kavanur Panchayath, Malappuram	Rs.65,000/-

2. In the 146th meeting, the SEAC noted that the recoverable quantity is 44281.1 MT, life of mine is three years and the project cost is Rs. 20 lakh. Based on discussions, the Committee recommended EC for the life of mine of three years subject to certain Specific Conditions in addition to General Conditions.

3. In the 130th meeting, the Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 3 years. After the due appraisal, the SEAC in its 146th meeting, recommended EC for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 (three) years, 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 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. Mining should be limited to 1 m above lithomarge.*
- 4. The mining should be carried out in such a way that it will not affect the nearby building at 14.9m.*
- 5. The excavation activity associated 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 a useful purpose.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emission 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 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 the 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 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 read with O.M. as first paper above of the Ministry of Environment & Forest, Government of India, is hereby accorded to Sri.A. K. Soman, S/O Kumaran, Abhayam House, Chadikkallu, Karuvambram West Post, Malappuram for the mining of Laterite Building Stone from an area of 0.5623 Ha at Sy.Nos.118/10, 158/2 in Kavanur Village, Ernad Taluk, Malappuram, for the quantity mentioned in the approved Mining Plan, for the period of three 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 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, Malappuram** by the State Environment Impact Assessment Authority.

6. 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.

7. The given address for correspondence of the Project Proponent is Sri.A. K. Soman, S/o Kumaran, Abhayam House, Chadikkallu, Karuvambram West Post, Malappuram.

Sd/-
Administrator, SEIAA
For Member Secretary, SEIAA

To,

Sri.A. K. Soman,
S/o Kumaran, Abhayam House,
Chadikkallu, Karuvambram West Post,
Malappuram

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