



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

To,

The -1
MANIKANDAN
Sree Padamam, Kandoth PO, Kannur -670307

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/429142/2023 dated 24 May 2023. The particulars of the environmental clearance granted to the project are as below.

| | |
|--|--|
| 1. EC Identification No. | EC24B001KL154079 |
| 2. File No. | 2280/EC4/2023/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 Manikandan K |
| 7. Name of Company/Organization | MANIKANDAN |
| 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: 27/10/2024

(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.

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**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. Manikandan K., Sree Padmam, Kandoth P.O., Kannur - Granted – Orders issued.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

Proposal No. SIA/KL/MIN/429142/2023

File No. 2280/EC4/2023/SEIAA

Ref: 1. Application for EC from Sri. Manikandan K., received on 24/05/2023.
2) Minutes of the 168th SEAC meeting held on 8th, 9th, 10th & 20th July, 2024.
3) Minutes of the 147th SEIAA meeting held on 27th and 28th August, 2024

ENVIRONMENTAL CLEARANCE NO. 213/L/2024

Sri. Manikandan K., Sree Padmam, Kandoth P.O., Kannur, submitted an application for Environmental Clearance vide paper read as 1st above for the Laterite Building Stone Quarry Project, for an area of 0.1943 Ha at Block No. 24, Re-Sy No. 76/101 in Alappadamba Village, Payyannur Taluk, Kannur.

I Project details

| SL. No. | Particulars | Details |
|---------|---|--|
| 1 | Name of the Project | Laterite Building Stone Quarry Project of Sri. Manikandan K. |
| 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) Mining of Minerals |
| 4 | Name & Address of the Project Proponent | Sri. Manikandan K., Sree Padmam, Kandoth P.O., Kannur-670 307 |
| 5 | Project Location | |
| | a) Block No. | 24 |
| | b) Re. Survey No. | 76/101 |
| | c) Revenue Village | Alappadamba |
| | d) Taluk | Payyannur |

| | | |
|---|---------------------|--|
| | e) District | Kannur |
| 6 | Geo Co-ordinates | As per approved Mining Plan |
| 7 | Extent (in Hectare) | 0.1943 |
| 8 | Project Cost | Rs. 3,85,395/- |
| 9 | Mineable Resource | Shall be re-assessed by the Dept. of Mining and Geology as per Specific Condition No.(4) |

II Environment Management Plan Details

| Sl. No. | Description of Item | Annual Amount (Rs.) | Recurring Amount (Rs.) |
|----------------|---|----------------------------|-------------------------------|
| 1 | Environment Monitoring (Core and Buffer Zone) | Rs.30,000/- | Rs. 15,000/- |
| 2 | Air Pollution Control (Water sprinkler, Water spraying) | Rs.1,000,00/- | Rs.25,000/- |
| 3 | Water Pollution Control (Garland drain, Water storage tank, Silt trap) | Rs1,250,00/- | Rs.50,000/- |
| 4 | Green Belt Development Including cost of afforestation (Sapling, Landscaping, Manuring) | Rs.3,000,00/- | Rs.75,000/- |
| 5 | Solid Waste Management & Domestic Effluent management (Dumping yard, Retaining wall, Sewage treatment) | Rs.1,500,00/- | Rs.50,000/- |
| 6 | Quarry Approach Road (Construction & maintenance) | Rs.2,000,00/- | Rs.50,000/- |
| 7 | Fire Fighting Equipment | Rs.25,000/- | Rs.5,000/- |
| 8 | Occupational Health and Safety (hand gloves, Mining safety shoes, goggles, Respiratory mask) | Rs.1,00,000/- | Rs.25,000/- |
| 9 | Reclamation/Rehabilitation of mined out Area (plant guard including cost of Landscaping) | Rs.2,000,00/- | Rs.10,000/- |
| TOTAL | | Rs. 12,30,000/- | Rs.3,05,000/- |

III Corporate Environment Responsibility Details

| Sl. No. | Activity | Amount (Rs) | Recurring (Rs) |
|----------------|--|---------------------|-----------------------|
| 1 | Combined CER Cost (Supply of benches and desk at Govt. High School, Thavidiserry) | Rs.30,000/- | Rs. 10,000/- |
| TOTAL | | Rs. 40,000/- | |

2. After due appraisal, in the 168th meeting, SEAC recommended EC for the mine life of 1 year subject to certain Specific Conditions in addition to the General Conditions.

3. In the 147th meeting, Authority perused the proposal and noticed that the SEAC had appraised the project based on Form 1, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent including the comprehensive EMP and recommended EC for the mine life of 1 year. **In these above circumstances, the Authority decided to issue Environmental Clearance for the project life of 1 (One) year, 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 Comprehensives EMP submitted along with the affidavit shall be executed by the three project proponents jointly.*
- 4. The mining should be restricted to a maximum depth of 7 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 5. Proper benches should be provided at an interval of every 1.5 m.*
- 6. The excavation activity should not involve blasting.*
- 7. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 8. The excavation activity should not alter the natural drainage pattern of the area*
- 9. The excavated pit should be restored by the Project Proponent for agriculture and other useful purposes.*
- 10. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 11. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 12. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 13. Workers/laborers should be provided with facilities for drinking water and sanitation.*

14. *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.*
15. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
16. *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.*
17. *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.*
18. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
19. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
20. *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)*
21. *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.*
22. *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.*
23. *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. Manikandan K., Sree Padmam, Kandoth P.O., Kannur, for the mining of Laterite Building Stone, in an area of 0.1943 Ha. at Block No. 24, Re-Sy No. 76/101 in Alappadamba Village, Payyannur Taluk, Kannur, for the quantity re-assessed by the

Mining and Geology Department as per specific condition No. (4), 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 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. 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), (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 Project Proponent, as if incorporated herein.

6. 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 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.

7. 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, Kannur** by the State Level Environment Impact Assessment Authority.

8. 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.

9. The given address for correspondence of the Project Proponent is Sri. Manikandan K., Sree Padmam, Kandoth P.O., Kannur - 670 307.

To,

Sri. Manikandan K.,
Sree Padmam,
Kandoth P.O.,
Kannur-670 307

Copy to:

1. The Director, MoEF & CC, IRO, Bangalore
2. The Director, Directorate of Environment & Climate Change, Trivandrum
3. The Secretary to Government, Environment Department, Government of Kerala.
4. The Director, Mining & Geology, Thiruvananthapuram -4.
5. The Member Secretary, Kerala State Pollution Control Board.
6. The Environmental Engineer, KSPCB, Kannur
7. The District Geologist, Kannur
8. The District Collector, Kannur
9. The Tahsildhar, Payyannur Taluk, Kannur
10. The Secretary, Kankol Alappadamba Grama Panchayath, Kannur
11. The Chairman, SEIAA
12. Stock File
13. Website
14. O/C