



File No: 19/2024
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA),
KERALA)



Dated 24/07/2024



To,

SUMESH SUKUMARAN
SUMESH SUKUMARAN

Mr.Sumesh T.S S/o Sukumaran T.V Thadathil Veed Thaneercode (P.O) Palakkad -679536
Ph.9846436428, PALAKKAD, KERALA, 679536
lateritesumeshts@gmail.com

Subject: Grant of EC under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Laterite building stone quarry of Mr. Sumesh T.S submitted to Ministry vide proposal number SIA/KL/MIN/457511/2024 dated 07/02/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0108KL5765423N
(ii) File No.	19/2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Laterite building stone quarry of Mr. Sumesh T.S
(viii) Name of Company/Organization	SUMESH SUKUMARAN
(ix) Location of Project (District, State)	Palakkad, Kerala
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	yes
(xiii) Applicability of Specific Conditions	yes

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1 (Part A and B) were submitted to the Ministry for an appraisal by the State Environment Impact Assessment Authority (SEIAA) Appraisal Committee (SEIAA) in the Ministry under the provision of EIA notification 2006 and its subsequent amendments.

The above-mentioned proposal has been considered by State Environment Impact Assessment Authority (SEIAA) Appraisal Committee of SEIAA in the meeting held on 25/04/2024. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, and EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.

The brief about project details, the Environmental Management Plan and Corporate Environment Responsibility (CER) to be implemented or followed are annexed to this EC.

The SEIAA, in its meeting held on 25/04/2024, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of EC under the provision of EIA Notification, 2006 and as amended thereof, subject to stipulation of specific and general conditions as detailed in Annexure (1).

The SEIAA has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto, and after accepting the recommendations of the State Environment Impact Assessment Authority (SEIAA) Appraisal Committee hereby decided to grant EC for the instant proposal of Sri. SUMESH SUKUMARAN under the provisions of EIA Notification, 2006 and as amended thereof.

Environmental Clearance is hereby accorded to Sri. Sumesh T.S, Thadathil Veedu, Thanneercode (P.O), Palakkad, for the Laterite Building Stone Quarry for an area of 0.0913 Ha at Survey No. 128/2 in Chalissery Village, Pattambi Taluk, Palakkad, for a period of one (1) year from the date of issuance of mine permit, from the Mining and Geology Department for the quantity re-assessed by the Mining and Geology Department as per specific condition that ***“the mining should be restricted to average depth of 3 m below ground level, subject to limiting the depth 1 m above the lithomarge”***.

Validity of the Environmental Clearance shall be 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.

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, Palakkad or SEIAA, Kerala.

The Ministry reserves the right to stipulate additional conditions, if found necessary.

The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

This issues with the approval of the Competent Authority.

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 Secretary to Government, Environment Department, Government of Kerala.
3. The Director, Directorate of Environment & Climate Change, 4th Floor KSRTC
4. Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695001.
5. The District Collector, Palakkad
6. The Director, Mining & Geology, Thiruvananthapuram -4.
7. The Member Secretary, Kerala State Pollution Control Board, Thiruvananthapuram
8. The District Geologist, Palakkad
9. The Environmental Engineer, KSPCB
10. The Tahsildhar, Pattambi Taluk, Palakkad

11. The Secretary, Chalisery Grama Panchayath, Palakkad
12. The Chairman, SEIAA.
13. Website
14. S/f / O/c

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Site Specific Conditions

S. No	EC Conditions
1.1	<i>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.</i>
1.2	<i>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.</i>
1.3	<i>The mining should be restricted to average depth of 3 m below ground level, subject to limiting the depth 1 m above the lithomarge.</i>
1.4	<i>Proper benches should be provided at an interval of every 1.5 m.</i>
1.5	<i>The excavation activity should not involve blasting.</i>
1.6	<i>The excavation activity should be restricted to 2m above the groundwater table at the site.</i>
1.7	<i>The excavation activity should not alter the natural drainage pattern of the area.</i>
1.8	<i>The excavated pit should be restored by the project proponent for agriculture and other useful purposes.</i>
1.9	<i>Appropriate fencing all around the excavated pit should be made to prevent any mishap.</i>
1.10	<i>Measures should be taken to prevent dust emissions by covering excavated earth during transportation.</i>
1.11	<i>Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.</i>
1.12	<i>Workers/labourers should be provided with facilities for drinking water and sanitation.</i>
1.13	<i>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.</i>
1.14	<i>A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.</i>

S. No	EC Conditions
1.15	<i>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.</i>
1.16	<i>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.</i>
1.17	<i>The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.</i>
1.18	<i>Measures incorporated in the CER should be implemented within 6 months from the date of EC.</i>
1.19	<i>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).</i>
1.20	<i>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.</i>
1.21	<i>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.</i>
1.22	<i>The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.</i>

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.2	The validity of the EC is for 1 year from the date of execution of mine lease from the mining and geology department.
1.3	Proponent should obtain all necessary statutory clearances for mining.
1.4	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.

S. No	EC Conditions
1.5	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.
1.6	The project proponent should submit the copy of the mining lease to SEIAA and provide a copy to IRO MoEF&CC Bangalore to HYCR
1.7	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.8	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.9	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
1.10	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Appropriate measures shall be taken to prevent dust pollution caused during laterite cutting.
2.2	Measures shall be taken to prevent dust pollution by covering of burrowed/excavated laterite building stone during transportation
2.3	Major approach roads shall be black topped and properly maintained.
2.4	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
2.5	If EC period is more than 6 months, half yearly compliance report shall be submitted to SEIAA.

3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	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.
3.2	The excavation shall not alter the natural drainage pattern of the area.
3.3	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
3.4	The project proponent shall not alter major water channels around the site. Appropriate

S. No	EC Conditions
	embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine.
3.5	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
3.6	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.

4. Mining Plan

S. No	EC Conditions
4.1	Mining shall be done as per mining plan and suggestions by SEAC.
4.2	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.
4.3	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.
4.4	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.
4.5	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.
4.6	Proper retaining wall shall be provided for safeguarding the immediately adjacent property, other buildings and civil structures.
4.7	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and KMMC Rules 2015.
4.8	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of SEIAA.
4.9	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) considering the specific condition of the EC.
4.10	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

5. Land Recalmation

S. No	EC Conditions
5.1	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.
5.2	The burrowed/excavated pit shall be restored by the project proponent for useful purpose(s) as specified in the mining plan.
5.3	Suitable indigenous plants should be planted around the mining area and sides of the haul road as green belt.
5.4	Appropriate fencing all around the burrowed/excavated pit shall be made to prevent any mishap.
5.5	Post-mining land be rendered usable for agricultural/forestry purposes.
5.6	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
5.7	An environment monitoring cell shall be constituted for the continuous monitoring & implementation of mitigation measures be carried out.
5.8	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
5.9	Native tree species shall be selected and planted in the compensatory afforestation area and the green belt area.
5.10	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

6. Miscellaneous

S. No	EC Conditions
6.1	The Environmental Clearance shall be liable to be cancelled in case of violation of any of the above conditions.
6.2	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
6.3	The copies of the environmental clearance shall be submitted by the project proponents to the Heads

S. No	EC Conditions
	of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
6.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6.6	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
6.7	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during presentation to the State Level Expert Appraisal Committee.
6.8	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
6.9	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
6.10	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
6.11	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
6.12	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
6.13	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours

7. Public Hearing And Human Health Issues

S. No	EC Conditions
7.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
7.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
7.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
7.4	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.

8. Corporate Environment Responsibility

S. No	EC Conditions
8.1	The project proponent should implement the CER activity approved by the SEIAA from the initiation of the project itself and the compliance status shall be included in the HYCR.

9. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
9.1	Environmental Monitoring Cell (EMC) shall monitor the implementation of CER activities on regular basis.
9.2	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.

I. Project Details

Sl. No	Particulars	Details
1	Name & Address of the Project Proponent	Sri. Sumesh T.S, Thadathil Veedu, Thanneercode (P.O), Palakkad – 679536
2	Survey No.	128/2
3	Village	Challissery
4	Taluk	Pattambi
5	District	Palakkad
6	Extent (in Hectare)	0.0913
7	Project Cost	10 Lakh
8	Mineable Reserve	Mining & Geology Department shall re-assess the mineable quantity by restricting an average depth of 3 m below ground level, subject to limiting the depth 1 m above the lithomarge.
9	Validity of EC	1 Year from the date of execution of valid mine lease / permit

II. EMP Details

Items	Actions	Capital Cost (Rs.)	Maintenance Cost (Rs.)
Noise Pollution	<ul style="list-style-type: none">Effective maintenance of machineries and vehicles at regular and frequent intervals.Provide PPE'sTemporary sheet fencing around project areaMachineries fitted with silencerLimit the speed of trucks while entering or leaving at 25 km/h or less.Maintain the noise level to the range of 70-75 Db at the time of operation.Mining should be conducted exclusively during day time	30000/-	20000/-
Air Pollution	<ul style="list-style-type: none">Sprinklers should be provided.Dust masks should be provided.Trucks should be covered with sheets.Dumping area should be protected with sheet fencing.Surrounding area of mine should be covered by fiber sheets to avoid dust dispersion.Wet cutting practice should be adopted to suppress dust.	30000/-	20000/-
Water Pollution	<ul style="list-style-type: none">Garland Drains should be providedWater storage tank should be maintained	40000/-	20000/-

	<ul style="list-style-type: none"> Temporary barrier of green fiber sheet should be provided 		
Health and Safety	<ul style="list-style-type: none"> PPE's should be provided First Aid Box 	15000/-	8000/-
Reclamation and Rehabilitation	<ul style="list-style-type: none"> Mined out area should be refilled and closed Reclaimed area rehabilitated by plantation 	40000/-	20000/-
Total		1,55,000/-	88000/-
Grand Total		2,43,000/-	

III. CER Details

Activity	Amount	Maintenance Amount
Providing a 1.1 KW Solar unit to Chalissery Village office, Pattambi Taluk, Palakkad. (Specifications - Solar power plant-1.1 KW, Solar Panel in Watt- 335 watt, Solar Panel Qty- 1 Nos., Off grid solar inverter- 1 KVA, MC4 Connector- 2 Pair, Solar structure- 1 KW, Solar battery – 1 Nos. (150 Ah), Solar junction box- 2 Nos., DC Cable- 6 Sq mm, 10 meters pair, AC Cable- 20 mtr., Solar accessories- Fasteners, Cable Tie, Crimping Tool, Earthing Kit, Lighting Arrestor)	32,000/-	2000/-
Labour cost and installation	6,000/-	
Sub Total	38,000/-	2,000/-
Grand Total	40,000/-	