



सत्यमेव जयते

Valid for a period of one year from the date of issue
of permit from Department of Mining and Geology

**PROCEEDINGS OF THE STATE ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY, KERALA
THIRUVANANTHAPURAM**

*Present: Dr. H. Nagesh Prabhu IFS (Retd), Chairman; Dr. V. Venu IAS, Member
Secretary and Dr. Jayachandran K, Member*

**Sub: - SEIAA – Environmental Clearance for the Mining of Ordinary Earth in Block
No. 9, at Re. Survey No. 675/4-6-2 at Kakkanad Village, Kanayanur Taluk,
Ernakulam District from an area of 0.9968 hectares by Shri. Gee Varghese
Varghese – Granted - Orders issued.**

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

No. 1165/A2/2019/ SEIAA

dated, Thiruvananthapuram : 09.09.2021

- Read: 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 10.04.2019 from Shri. Gee Varghese Varghese
3. Minutes of the 96th SEAC Meeting held on 26th & 27th April 2019
4. Minutes of the 97th SEAC Meeting held on 21st & 22nd May, 2019
5. Minutes of the 99th SEAC meeting held on 26th & 27th June 2019
6. Minutes of the 95th meeting of SEIAA held on 29th July 2019
7. Minutes of the 103rd meeting of SEAC held on 17th & 18th September 2019
8. Minutes of the 98th SEIAA meeting held on 18th & 19th October 2019
9. Minutes of the 108th SEIAA meeting held on 22nd & 23rd March 2021
10. Minutes of the 121st SEAC meeting held on 22nd, 23rd and 27th of April, 2021
11. Minutes of the 123rd SEAC meeting held on 27th – 30th July 2021
12. Minutes of the 111th SEIAA meeting held on 17th & 18th August 2021
13. G.O (Rt.)No.29/2019/Env dated 12.04.2019.

ENVIRONMENTAL CLEARANCE NO. 40/O.E /2021

Sri. Gee Varghese Varghese, Palal Kalappurayil, Near INFO Park, Kusumagiri P.O.,
Kakkanad, Ernakulam-682 030 submitted an application in SEIAA on 10.04.2019 for
Environmental Clearance for mining of Ordinary Earth from the property at Block No. 9,

Re. Survey No. 675/4-6-2 at Kakkanad Village, Kanayanur Taluk, Ernakulam District from an area of 0.9968 hectares for private purpose.

SL. No.	Description	Details
1	Name of the Project	Ordinary Earth Quarry
2	Proposed Activity	Mining of Ordinary Earth
3	Name of the Sector & Schedule No. (in the EIA Notification, 2006)	B2 Category of schedule 1(a)
4	Name & Address of the Project Proponent	Sri. Gee Varghese Varghese, Palal Kalappurayil, Near INFO Park, Kusumagiri P.O., Kakkanad, Ernakulam-682 030
5	Project Location	
	a) Re-Survey Nos:	Block No. 9, Re. Survey No. 675/4-6-2
	b) Revenue Village	Kakkanad Village
	c) Taluk	Kanayanur
	d) District	Ernakulam
6	Geo Co-ordinates	Latitude :10 ⁰ 00' 52"N to 10 ⁰ 00' 58"N Longitude :76 ⁰ 21' 23"E to 76 ⁰ 21' 33"E
7	Extent (in Acre/Hectare)	0.9968 hectares
8	Possession area	3.000 Ha (Unused area 2.0032 Ha)
9	Quantity of Earth removed	40850M ³
10	Proposed Production capacity	EC for excavating 60850 M ³ of ordinary earth from the project area and to take 40850 M ³ soil outside for road development works under KSTP
11	Purpose	For road development works under KSTP
12	Project Cost (in Lakh)	Rs. 30,00,000 Lakhs
13	Water requirement	Water resource in the area are ground water and rain water.
14	Field Inspection Details	8 th July 2021
15	Validity	One year

2. The file was placed in the 123rd SEAC meeting held on 27th – 30th July 2021. The Committee discussed the Field Inspection Report and decided to recommend the issuance of EC for excavating 60850 M³ of ordinary earth from the project area and to take 40850 M³

soil outside for road development works under KSTP on production of the recent demand letter from the end user subject to the following special conditions:

- a) *Step cutting is to be adopted on the northern end.*
- b) *Concrete protective walls to be constructed on the northern side.*
- c) *Proper drainage system to channel both surface and sub- surface water to the southern end of the project area.*
- d) *Ensure proper dust suppression system during excavation and transportation*
- e) *Green belt development (one tree for every 80 sq.m)*

3. The proposal was placed in the 111th SEIAA meeting held on 17th & 18th August 2021. Authority decided to issue for EC for one year from the date of issue of permit from Department of Mining and Geology, for excavating 60850 M³ of ordinary earth from the project area and to take 40850 M³ soil outside for road development works under KSTP on production of the recent demand letter from the end user subject to the following special conditions and general conditions:

- i. *Step cutting is to be adopted on the northern end.*
- ii. *Concrete protective walls to be constructed on the northern side.*
- iii. *Proper drainage system to channel both surface and sub- surface water to the southern end of the project area.*
- iv. *Ensure proper dust suppression system during excavation and transportation*
- v. *Green belt development (one tree for every 80 sq.m)*

4. Environmental Clearance, under Notification S.O. No.1533 (E) dated 26.09.2006 read with O.M. as first paper above of the Ministry of Environment & Forest, Government of India, is hereby accorded to Sri. Gee Varghese Varghese, Palal Kalappurayil, Near INFO Park, Kusumagiri P.O., Kakkanad, Ernakulam-682 030, for the Ordinary Earth Quarry in Block No. 9, Re. Survey No. 675/4-6-2 at Kakkanad Village, Kanayanur Taluk, Ernakulam District, Kerala, for one year from the date of issue of permit from Department of Mining and Geology, for excavating 60850 M³ of ordinary earth subject to the special conditions suggested by SEIAA in para 3rd above in addition to the following general conditions.

General conditions

- I. *Proponent should obtain all necessary statutory clearances for mining of ordinary earth.*

- II. Mining has to be carried out as per approved Mining Plan, suggestions from SEAC, KMMC Rules 2015 and amendments there by and all other statutory rules and orders.
 - III. The mining activity shall not involve blasting.
 - IV. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
 - V. The maximum depth of removal of earth should be as per the approved Mining Plan and as per the recommendations of SEAC.
 - VI. Removal of earth should be restricted to 2m above the average ground water table level at the site. The decision taken by the expert team of SEAC in this regard vis-a – vis details given in mining plan after the field inspection shall be final.
 - VII. If the mining depth exceeds 3m, benches of 2m x 2m are to be provided to prevent any slope failure.
 - VIII. Mining shall not be carried out during heavy rains and excavation shall not alter the natural drainage pattern of the area.
 - IX. The minimum distance norm from the boundary / periphery of other properties/ buildings / civil structures as prescribed in KMMC rules or any other statutory rules and orders shall be followed.
 - X. Appropriate Necessary measures are to be taken to protect the immediately adjacent structures and properties by construction of retaining walls and formation of benches 1.5 to 2MT as prescribed in mining plan.
 - XI. Appropriate fencing all around the burrowed/excavated pit shall be provided to prevent any mishap.
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- XII. All safety measures are to be adopted if machines are used for mining.
 - XIII. Measures shall be taken to prevent dust pollution at site while mining and by covering of burrowed/excavated earth during transportation.
 - XIV. The quantity of ordinary earth to be excavated and the site where it is to be deposited shall be fixed as given in the application for EC.
 - XV. The excavated earth shall not be used for filling paddy fields and wet lands or any other prohibited activities.
 - XVI. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to burrowing/excavation of earth.
 - XVII. Applicable labour laws for mining shall be followed .Workers/labourers shall be provided with facilities for drinking water /sanitation/safety equipments etc.

- XVIII. *The burrowed/excavated pit shall be restored/reclaimed by the project proponent for useful purpose(s) as specified in the progressive and final closure plans.*
- XIX. *In case of transfer of EC, approval from SEIAA should be obtained as per existing norms.*
- XX. *The Environmental Clearance is liable to be cancelled in case of violation of any of the above conditions.*

5. Violation of any of the above 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.



Anil P. Antony
Administrator, SEIAA
For Member Secretary, SEIAA

To,

Shri. Gee Varghese Varghese,
Palal Kalappurayil,
Near INFO Park,
Kusumagiri P.O.,
Kakkanad,
Ernakulam-682 030

Copy to:

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

