

## **PARIVES FILES**

### **PART-1**

#### **Item No.01**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Sudheermon P. P. for an area of 0.9569 Ha at Survey No: 217/4 in Pulpatta Village, Eranad Taluk, Malappuram  
(SIA/KL/MIN/169289/2020, 1843/EC6/2020/SEIAA)**

Sri. Sudheermon P. P., Padikuth House, Chengara, Iruvetty (P.O) Malappuram, submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area 0.9569 Ha in Survey No. 217/4 in Pulpatta Village, Eranad Taluk, Malappuram.

The Authority deliberated the item and noted the decisions of various SEAC meetings held on different dates, the letter of District Geologist, Malappuram dated 05.09.2023 provided to the project proponent, the letter of Dr Sakkir S. Pillai, RQP dated 16.02.2024. The Authority noticed that the District Geologist, Malappuram intimated that the Mining Plan was prepared by the Dr Sakkir S. Pillai, however there are no documents to prove the authenticity of the signature of the RQP and he has approved the mining plan. The Authority decided to inform Dr Sakkir S Pillai that the SEIAA has no wherewithal to confirm the authenticity of the signature and he may opt for legal measures to establish his complaint by lodging a police complaint if the need be.

Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal and the Field Inspection Report. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 156th meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**In the above circumstances, the Authority decided to issue Environmental Clearance for the project life of 5 (Five) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The mining shall commence only after proving the authenticity of the signature and mining plan. The Environmental Clearance will stand automatically*

*cancelled, if any Hon'ble Court of law or any other law enforcement agency confirms the forgery of the mining plan submitted to the Authority through Dept of Mining and Geology.*

- 2. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 3. The ultimate depth of mining should be limited to 80m above MSL to prevent intersection with ground water table and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 4. 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.*
- 5. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 6. The impact of vibration due to blasting on the houses and built structures within 200m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report (HYCR).*
- 7. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 8. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*

9. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
10. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
11. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
12. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
13. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
14. *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).*
15. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
19. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
20. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration*

*of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

- 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.*

***The Authority also decided that the RQP for having complained of forgery shall prove the same through appropriate measures within two months otherwise it would be recommended to Department of Mining and Geology for an appropriate action against him for having misrepresent the facts to Authority including cancellation of his registration.***

**Item No.02**

**Environmental Clearance for Granite Building Stone Quarry of Sri. C. H Sakkariya, President, Mannarkkad Taluk Karinkal Quarry Operators Industrial Cooperative Society Ltd for an area of 0.9741 Ha at Re-Sy Nos. 70/10, 70/16, 242/15 in Pottassery-I Village, Mannarkkad Taluk, Palakkad**

**(SIA/KL/MIN/263015/2022, 2024/EC1/2022/SEIAA)**

Sri. C. H. Sakkariya, President, Mannarkkad Taluk, Karinkal Quarry Operators Industrial Cooperative Society Ltd., Pulliserry P.O., Mannarkkad, Palakkad 678582 submitted an Environmental Clearance application for the Granite Building stone Quarry project for an area of 0.9741 Ha at Survey Nos. 70/10, 70/16, 242/15 in Pottassery – I Village, Mannarkkad Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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 the mine life is 5 years. After the due appraisal, the SEAC in its 156<sup>th</sup> meeting, recommended EC for the mine life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 5 (Five) years, 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 as per 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 ultimate depth of mining should be limited to 95 m above MSL to prevent intersection with ground water table and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*

4. *Since, the project is located within 10 km of Silent Valley National Park, the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining. From the DFOs letter it is not clear whether the proposed mining area is within the proposed eco sensitive zone of the National Park or within one kilometre distance from the boundary of the National Park. In both the cases mining shall not be permitted.*
5. *The Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
6. *Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, Wild Life Warden Silent Valley National Park, District Collector, Palakkad and Department of Industries GoK, besides others for information and necessary further action.*
7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
9. *Channel way should be developed as per the plan submitted for over flow water from the siltation pond to the natural stream prior to the commencement of mining*
10. *Haulage Road should be developed prior to the commencement of mining.*

11. *Compensatory afforestation should be done from the first year itself with indigenous species. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with Half Yearly Compliance Report (HYCR).*
12. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report (HYCR).*
13. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
14. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
15. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.*
16. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
17. *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).*
18. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
19. *Adequate energy conservation measures should be implemented including solar power installations. Measures to utilize maximum solar energy to meet the power requirement shall be adopted.*
20. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
21. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*

22. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road. The proof such as geo-tagged photographs regarding the activity and the compensatory afforestation shall be submitted along with HYCR.*
23. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
24. *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.*
25. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
26. *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.*
27. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986*



**Item No.03**

**Environment Clearance for the Granite Building Stone Quarry Project of Sri. Antony S. Alukkal, Managing Director, M/s Minering Aggregates Pvt. Ltd., for an area of 4.7998 Ha at Re-Sy Block No. 01, Re-Sy Nos. 23/1 pt, 427 23/1 pt, 426 23/1 pt, 424 23/1 pt, 375, in Kolathur Village, Kasaragod Taluk, Kasaragod (SIA/KL/MIN/277481/2022, 2118/EC2/2022/SEIAA)**

The Authority examined the item and noted decisions of SEIAA in its 137<sup>th</sup> meeting and the Judgement in WP(C) No. 40603 of 2023 dated 19.01.2024. The Authority noticed that the Hon'ble High Court disposed of the writ petition with a direction that SEIAA to consider the claim of the petitioner afresh, after affording an opportunity of being heard to the petitioner as decided in Ext.P9 (Minutes of the 135<sup>th</sup> SEIAA meeting) in the 135<sup>th</sup> meeting of the SEIAA held on 23.12.2023.

The Authority in its 137<sup>th</sup> meeting heard Sri. Sany representing the Project Proponent and the Consultant Sri. Cyriac Joseph and directed the project proponent to submit a detailed hearing note within 7 days with necessary supporting documents to substantiate his claims. The Authority noticed that the project proponent has not submitted the hearing note so far.

**The Authority decided to give one more chance to submit the same within 15 days. Necessary intimation regarding the same shall be provided to project proponent. If the project proponent fails to submit the hearing note the Authority shall take a decision based on the available documents and recommendations of SEAC.**

**Item No.04**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Jayesh Thomas for an area of 0.4120 Ha at Re-Survey Block No. 31, Re-Survey Nos. 317/10, 317/11, 317/3, 317/12 in Vadasserikkara Village, Ranni Taluk, Pathanamthitta. (SIA/KL/MIN/291136/2022, 2111/EC1/2022/SEIAA)**

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority in its 134<sup>th</sup> meeting, decided to post the proposal back to SEAC for a fresh recommendation. The 156<sup>th</sup> SEAC meeting observed that the effective mining area out of 0.4120 Ha is only 0.2 Ha. The buffer of the proposed area is overlapped with the adjacent mined-out area. On deliberations, the Committee concluded that the site is too small with an average effective width of around 30m only and it is difficult to mine ensuring environmental safeguards. Therefore, the committee adhere to its earlier decision

and recommended rejection of the proposal due to the fact that the effective area for mining is inadequate for scientific mining ensuring environmental safeguards.

**Under these circumstances, the Authority agreed to the recommendation of the SEAC and decided to reject the application since the proposal for mining from such a small area of less than 0.5 ha is environmentally and economically not feasible and inform the same to Project Proponent.**

**Item No.05**

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Abdul Vahid A. T for an area of 0.6637 Ha at Re-Survey No. 54/1B (71) in Kuttikkattur Village, Kozhikode Taluk, Kozhikode.**

**(SIA/KL/MIN/404425/2022, 2149/EC4/2022/SEIAA)**

Sri. Abdul Vahid A. T., S/o. Muhammadali, Kozhiseerimadu House, Puthur Post, Pallikkal Malappuram- 673636 submitted an Environmental Clearance application for the Laterite Building Stone Quarry, for an area of 0.6637 Ha at Re-Survey No. 54/1B (71) in Kuttikkattur Village, Kozhikode Taluk, Kozhikode.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per approved Mining Plan, the mine life is 4 years. After the due appraisal, the SEAC in its 156<sup>th</sup> meeting, recommended EC for the mine life of 4 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 4 (Four) 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *Adequate protective measures should be adopted to prevent soil erosion, siltation and dust emission in the steeply sloping western side of the project site, having a place of worship at a distance 118m from the project site (BP1).*
6. *The excavation activity associated should not involve blasting.*
7. *The excavation activity should be restricted to 2m above the ground water 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 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 emission by covering of 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 excavation of earth.*
13. *Workers/labourers 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 proposed excavation.*
15. *A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.*
16. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*

17. *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.*
18. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
19. *Measures incorporated in the CER should be implemented as per norms*
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 30<sup>th</sup> 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 16<sup>th</sup> 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.*

**Item No.06**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. M. Aliyarkutty for an area of 3.3314 Ha at Block No. 26, Re-Survey Nos. 431/13, 431/11- 4pt, 431/5pt, 444pt (Govt. Land), 432/1pt (Govt. Land), 432/2, 432/4pt, 432/8pt, 445/2pt, 445/8pt, 445/15pt, 445/3-2pt & 445/9pt in Valakom Village, Kottarakkara Taluk, Kollam.**

**(SIA/KL/MIN/408193/2022, 2169/EC2/2022/SEIAA)**

Sri. M. Aliyarkutty, M.S. House, Vakkanadu (PO), Kareepra, Kollam submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area of 3.3314 Ha at Block No. 26, Re-Survey Nos. 431/13, 431/11- 4pt, 431/5pt, 444pt (Govt. Land), 432/1pt (Govt. Land), 432/2, 432/4pt, 432/8pt, 445/2pt, 445/8pt, 445/15pt, 445/3-2pt & 445/9pt in Valakom Village, Kottarakkara Taluk, Kollam.

As intimated by the Authority, the Project Proponent Sri. M. Aliyarkutty attended the hearing on 27.02.2024. The Authority deliberated the item and noted the decisions of various SEAC meetings held on different dates, the hearing note submitted by the complainants Sri. Ratheesh Kumar and Smt. Krishan A.R. and the explanatory note submitted by the Project Proponent. The Authority noticed that during hearing, the complainants have withdrawn their complaint and expressed their no-objection for the issuance of EC.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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 the mine life is 10 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

**In the above circumstances, the Authority decided to issue Environmental**

**Clearance initially for a period of 5 years and then to extend the EC period to cover the project life of 10 (Ten) years, from the date of execution of mine lease / permit, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region.**

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 ultimate depth of mining should be limited to 90 m above MSL to prevent intersection with ground water table and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 4. Since, there are two quarry project proposals under the consideration of the Authority in the same area and the ToR has already been issued to them due to cluster condition, the project proponent should associate with them to prepare a comprehensive EMP for the cluster and implement the comprehensive cluster EMP to safeguard the total environment setup in the project area.*
- 5. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*

6. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
7. ***The crusher owned by the project proponent is located at distance of 32m from the proposed project boundary and therefore buffer of 50m should be provided between the boundaries of crusher and proposed mine.***
8. *Temporary barriers of height 5m should be erected at the boundary encountering the houses within a distance of 100m*
9. *Blasting mats should be used to contain the blasts, prevent fly rocks, suppress dust, reduce noise level and minimize vibration impact*
10. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
11. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report (HYCR).*
12. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
13. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
14. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
15. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
16. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*

17. *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).*
18. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
19. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
20. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground Water Authority.*
21. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
22. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
23. *Constitute a Monitoring Committee comprising representative of local residents, local ward member, Project Proponent and Mine Manager to monitor the implementation of the EC conditions and blasting. The committee shall meet once in 3 months and the project proponent is responsible for the implementation of the decisions taken.*
24. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
25. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
26. *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.*

*27. 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.*

*28. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.07**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Vijayan R. for an area of 0.3900 Ha at Re-Sy No. 339/4 in Pallikkal Village, Varkala Taluk, Thiruvananthapuram**

**(Re-uploading Proposal No. SIA/KL/MIN/164458/2020; SIA/KL/MIN/411101/2022, 1847/EC1/2020/SEIAA)**

Sri. Vijayan R, Veena Sadhanam, Kattuputhissery, Pallickal P O, Thiruvananthapuram submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area of 0.3900 Ha at Re-Sy No. 339/4 in Pallikkal Village, Varkala Taluk, Thiruvananthapuram.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 143<sup>rd</sup> meeting, recommended EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority in its 134<sup>th</sup> meeting refer back the proposal to SEAC to review the recommendation considering the SEAC report on minimum area required for mining granite building stones in Kerala ensuring environmental safeguards. The SEAC in its 156<sup>th</sup> meeting examined the proposal and observed that the proposal was considered by 123<sup>rd</sup> SEAC and has been under appraisal for quite a long and therefore recommended the proposal for EC as a special case with specific direction to limit the mining to a maximum depth of 13m to extract 52000 MT of granite building stone, as a special case.

**In the above circumstances, the Authority decided to issue Environmental Clearance as a special case for the project life of 5 (Five) years, 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 as per 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. Depth of mining should be limited to a maximum of 95m above MSL to prevent intersection with ground water table and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 4. All the precautionary measures suggested in the revised EMP document should be implemented strictly.*
- 5. Removal of the boulders within the proposed site and the large boulder just outside the project boundary should be done prior to commencement of mining.*
- 6. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus*

*(Ayiniplavu) etc.*

- 7. Compensatory afforestation should be initiated prior to the commencement of mining.*
- 8. A retention wall of appropriate height should be provided at the overburden dumping site.*
- 9. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 10. The haulage road should be maintained well with frequent sprinkling.*
- 11. Development of green belt using indigenous species should be initiated prior to the commencement of mining.*
- 12. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 13. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
- 14. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the Half Yearly Compliance Report (HYCR).*
- 15. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 16. Overburden should be stored at the designed place at lower elevation and gabion wall should be provided for the topsoil and overburden storage sites.*
- 17. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
- 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 5.00 pm).*
- 19. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*

20. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement should be met from the solar power.*
21. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
22. *An adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
23. *Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
24. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
25. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
26. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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.*
27. *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.*

*28. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.08**

**Environmental Clearance for Granite Building Stone Quarry of Sri. Shamsudheen for an area of 4.5622 Ha at Survey No. 1 in Udayagiri village, Taliparamba Taluk, Kannur.**

**(SIA/KL/MIN/411554/2022, 2224/EC4/SEIAA/2023)**

The Authority deliberated the item and noted the decisions of previous SEIAA and SEAC meetings held on various dates. The 156<sup>th</sup> SEAC observed that the proposed area is on a very steep slope and engulfed in the high-hazard zone at a distance of around 13m and is having an elevation difference of 570m to 670m above MSL on the steep slope of a hill with maximum elevation of about 725m above MSL.

The Authority further noticed that the proposed project area is located in the mid-slope of a hill with steep slope. The Authority also noticed that as per the shape files provided by the Kerala Forest Department the proposed project area is in vested forest under Kannur Division. **In this circumstance, though SEAC has recommended to direct the proponent to apply for ToR, the Authority decided to refer the proposal back to SEAC for assessing the feasibility of mining in highly sensitive area and in the vested forest having a status of reserve forest where mining is prohibited.**

**Item No.09**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Dileep Kumar for an area of 0.9956 Ha at Survey Nos: 372/1A/3/8/8, 372/1A/4/9/11 in Kottappady Village, Kothamangalam Taluk, Ernakulam**

**(SIA/KL/MIN/414973/2023, 2237/EC3/2023/SEIAA)**

Sri. Dileep Kumar, Mandapathil House, Cheranganal, Kottapady, Ernakulam submitted an Environmental Clearance application for the Granite Building Stone Quarry

project for an area of 0.9956 Ha at Survey Nos: 372/1A/3/8/8, 372/1A/4/9/11 in Kottappady Village, Kothamangalam Taluk, Ernakulam.

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 project 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, the mine life is 3 year. The Thatteekkad Wildlife Sanctuary is at 6.04 km. After the due appraisal, the SEAC in its 156<sup>th</sup> meeting, recommended EC for the mine life of 3 year, 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, 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 as per 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 ultimate depth of mining should be limited to 65m above MSL to prevent intersection with ground water table and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 4. Since, the project is located within 6.04 km from the Thatteekkad Wildlife Sanctuary the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.*
- 5. The Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities*

*on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*

- 6. Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, District Collector, Ernakulam and Department of Industries GoK, besides others for information and necessary further action.*
- 7. Compensatory afforestation needs to be done from the first year itself with indigenous species. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 8. The rubber trees (around 159 nos.) and other trees in the buffer zone should be protected.*
- 9. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bambos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 10. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 11. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 12. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
- 13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*

14. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
15. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.*
16. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
17. *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).*
18. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
19. *Adequate energy conservation measures should be implemented including solar power installations. Measures to utilize maximum solar energy to meet the power requirement shall be adopted.*
20. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground Water Authority.*
21. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
22. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road. The proof such as geo-tagged regarding the activity and the compensatory afforestation shall be submitted along with HYCR.*
23. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
24. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*



25. 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.
26. 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.
27. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

**Item No.10**

**Environmental Clearance for the Laterite Building Stone Project of Sri. Sharafudheen for an area of 0.0971 Ha at Sy Nos. 533/1-33, 533/1-63 in Kuttippuram Village, Tirur Taluk, Malappuram.  
(SIA/KL/MIN/415396/2023, 2248/EC6/2023/SEIAA)**

Sri. Sharafudeen, Vattamannil House, Perasannur, Malappuram - 676571 submitted an Environmental Clearance application for the Laterite Building Stone Project for an area 0.0971 Ha at Sy Nos. 533/1-33, 533/1-63 in Kuttippuram Village, Tirur Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 1 year. After the due appraisal, the SEAC in its 156<sup>th</sup> meeting,

recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**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 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 mining should be restricted to a maximum depth of 2m below ground level, subject to limiting the depth 1 m above the lithomarge. The mineable resources shall be reworked by the Mining and Geology Department while issuing the permit.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity 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 agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions 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 the 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 adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 15m 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 5.00 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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 16<sup>th</sup> 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.*

**Item No.11**

**Environmental Clearance for Granite Building Stone Quarry of Sri. R. Mohandas, for an area of 3.7390 Ha at Re-Sy Nos. 1293/1623, 1293/1621, 1293/1622, 1293/2870, 1293/2872, 1293/2793, 1293/2794 & 1293/1624 in Ayyankunnu Village, Iritty Taluk, Kannur.**

**(SIA/KL/MIN/428391/2023, 2283/EC4/2023/SEIAA)**

The Authority perused the proposal and noted that in the 156<sup>th</sup> SEAC meeting, the Committee had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, the additional details/documents obtained from the Project Proponent during appraisal and the field inspection report. The SEAC reported that the Brahmagiri WLS is located at 2.05 km from the proposed area. There are two abandoned quarry pits located at south western part of the proposed area. The slope is moderate to steep. There are old abandoned building and abandoned heavy duty vehicles at the northern part of the project area. The proposed area is in moderate hazard zone and very close to high hazard zone. Considering the environmental sensitivity and land fragility aspects of the proposed area, the SEAC decided that it is important to invoke Precautionary Principle as the protection of the environmental integrity of the region is much more important than the mining activity. Therefore, the SEAC recommended rejection of the proposal invoking Precautionary Principle.

**The Authority agreed to the recommendation of the SEAC and decided to reject the project proposal. Rejection order shall be issued specifying reasons for rejection and inform the same to Project Proponent.**

**Item No.12**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Suseelan K. C., for an area of 0.0972 Ha at Survey No. 200/pt13 in Kinanur Village, Vellarikkund Taluk, Kasaragod (SIA/KL/MIN/435432/2023, 2351/EC4/2023/SEIAA)**

Sri. Suseelan K.C., Punartham, East pallor, Chokli Post, Mahe, Kannur-670672, submitted an Environmental Clearance application for the Laterite Building Stone Quarry project for an area of 0.0972 Ha at Survey No. 200/PT13 in Kinanur Village, Vellarikkund Taluk, Kasaragod.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 1 year. After the due appraisal, the SEAC in its 156<sup>th</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**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 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity 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 agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions 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 the 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 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 5.00 pm).*
20. *The waste dumping site should be demarcated and protection measures shall be provided.*

21. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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 16<sup>th</sup> 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.*

**Item No.13**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ajikumar ATV, for an area of 0.0971 Ha at Re-Survey No. 4/106 in Eramam Village, Payyannur Taluk, Kannur (SIA/KL/MIN/435820/2023, 2353/EC4/2023/SEIAA)**

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the project was considered by SEAC in its 152<sup>nd</sup> and 156<sup>th</sup> meetings. Even after prior intimation, the Project Proponent was absent for the presentation and has requested to withdrawn the application. Hence, the SEAC is recommended to delist the application at the risk of the project proponent.

**Under these circumstances, the Authority agreed to the recommendation of the SEAC and decided to reject the application at the risk and cost of the project proponent and inform the same to Project Proponent, Dept. of Mining and Geology, KSPCB, DC Kannur and Panchayat Authorities.**

**Item No.14**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Asees Kadakkadan for an area of 0.5827 Ha at Sy No. 458/2, 3 in Ponmala Village, Tirur Taluk, Malappuram.**

**(Old Proposal No. SIA/KL/MIN/194573/2021)**

**(SIA/KL/MIN/436541/2023, 1889/EC6/2021/SEIAA)**

Sri. Asees Kadakkadan, S/o Ibrahim Kadakkadan, Kadakkadan House, Chengottur Post, Malappuram submitted an Environmental Clearance application for the Laterite Building Stone Quarry Project for an area of 0.5827 Ha at Sy Nos. 458/2, 3 in Ponmala Village, Tirur Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC and SEIAA meetings held on different dates. The Authority noted that in its 127<sup>th</sup> meeting, it is decided to issue Environmental Clearance to the project subject to a condition that the building at the distance of 38m shall not be used for residential purpose and he/she shall be responsible for any damage to life and property. Since the decision of the Authority was happened in the physical file, the Authority directed the project proponent to apply afresh in Parivesh Portal. The SEAC considered the fresh application in its 148<sup>th</sup> meeting and recommended EC for one year with certain additional Specific Condition in addition to the General Conditions stipulated by SEIAA. In the 134<sup>th</sup> SEIAA meeting, the Authority decided to refer the case back to SEAC since the mine life as per approved mining plan is 3 years and the SEAC didn't site reason for reducing the project life.

In its 156<sup>th</sup> meeting, the SEAC realized that it was a mistake to recommend EC for one year due to oversight and based on discussions, the SEAC recommended EC for the mine life of 3 years subject to the same specific conditions stipulated in the 127<sup>th</sup> SEIAA meeting.

**Under these circumstances, 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The building at the distance of 38m shall not be used for residential purpose and he shall be responsible for any damage to life and property.*
4. *A buffer distance of 50m should be kept between the project area and the built structure.*
5. *The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
6. *Proper benches should be provided at an interval of every 1.5 m.*
7. *The excavation activity associated should not involve blasting and preventive measures to protect nearby structure from dust pollution shall be adopted.*
8. *The excavation activity should be restricted to 2m above the ground water table at the site.*
9. *The excavation activity should not alter the natural drainage pattern of the area.*
10. *The excavated pit should be restored by the project proponent for useful purpose.*
11. *Appropriate fencing all around the excavated pit should be made to prevent any mishaps.*
12. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
13. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
14. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
15. *A berm should be left from the boundary of adjoining field having a width equal*

- to atleast half the depth of proposed excavation.*
- 16. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
  - 17. 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.*
  - 18. 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.*
  - 19. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
  - 20. Measures incorporated in the CER should be implemented as per norms.*
  - 21. 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).*
  - 22. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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.*
  - 23. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> 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.*

*24. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.15**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Chandran. V, for an area of 0.0971 Ha at Survey Nos. 32/95pt1, 32/100 in Kolathur Village, Kasaragod Taluk, Kasaragod.**

**(SIA/KL/MIN/437695/2023, 2352/EC4/2023/SEIAA)**

Sri. Chandran. V, Arayalinkal House, Poinachi, Paramb P.O. Thekkil Kasaragod submitted an Environmental Clearance application for the Laterite building Stone Quarry project for an area of 0.0971 Ha at Survey Nos. 32/95pt1, 32/100 in Kolathur Village, Kasaragod Taluk, Kasaragod.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 1 year. After the due appraisal, the SEAC in its 156<sup>th</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**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 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 mining should be restricted to a maximum depth of 6 m below ground level,*

*subject to limiting the depth 1 m above the lithomarge.*

- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity 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 agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions 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 the 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 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 5.00 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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 16<sup>th</sup> 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.*

**Item No.16**

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Antony Kaichiramattam for an area of 0.1942 Ha at Block No. 39, Re-Sy No.109/106 in Peringome Village, Payyannur Taluk, Kannur**  
**(SIA/KL/MIN/439691/2023, 2364/EC4/2023/SEIAA)**

Sri. Antony Kaichiramattam, Kaichiramattam House, Chundaparamba, Eruvessi P.O, Kannur- 670632, submitted an Environmental Clearance application for the Laterite building Stone Quarry project for an area of 0.1942 Ha at Block No: 39, Re-Survey No: 109/106 in Peringome Village, Payyannur Taluk, Kannur.

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 project 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, the mine life is 2 years. After the due appraisal, the SEAC in its 156<sup>th</sup> meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 2 (Two) 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since, the project area is sharing boundary with an adjacent laterite mining project of Sri. Bineeshmon George, a common drainage plan should be implemented for the entire project area.*
- 4. The mining should be restricted to a maximum depth of 6 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 associated should not involve blasting.*
- 7. The excavation activity should be restricted to 2m above the ground water 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 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 emission by covering of 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 excavation of earth.*
13. *Workers/labourers 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 proposed excavation.*
15. *A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.*
16. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
17. *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.*
18. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
19. *Measures incorporated in the CER should be implemented as per norms.*
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.*

**Item No.17**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Bineeshmon George for an area of 0.1942 Ha at Re-Sy No: 109/106 in Peringome Village, Payyannur Taluk, Kannur.  
(SIA/KL/MIN/440323/2023, 2356/EC4/2023/SEIAA)**

Sri. Bineeshmon George, Kochupurayil House, Chundaparamba, Nedungome P.O, Kannur- 670631, submitted an Environmental Clearance application for the Laterite Building Stone Quarry for an area of 0.1942 Ha at Re-Survey No: 109/106 in Peringome Village, Payyannur Taluk, Kannur.

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 project 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, the mine life is 2 years. After the due appraisal, the SEAC in its 156th meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 2 (Two) 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Since, the project area is sharing boundary with an adjacent laterite mining project of Sri. Antony Kaichiramattam, a common drainage plan should be implemented for the entire project area.*
4. *The mining should be restricted to a maximum depth of 6 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 associated should not involve blasting.*
7. *The excavation activity should be restricted to 2m above the ground water 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 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 emission by covering of 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 excavation of earth.*
13. *Workers/labourers 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 proposed excavation.*

15. *A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.*
16. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
17. *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.*
18. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
19. *Measures incorporated in the CER should be implemented as per norms.*
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.*

**PARIVESH FILES**  
**CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL**  
**CLEARANCE**

**PART-2**

**Item No.01**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Muhammed Abdul Basheer for an area of 0.3171Ha at Sy. Nos. 5/7, 6/1B1 in Pattithara Village, Pattambi Taluk, Palakkad, Kerala.**

**(SIA/KL/MIN/143579/2020, 1831/EC1/2020/SEIAA)**

Sri. C. P. Muhammed Abdul Basheer, Charupadikkal House, Thalakkasseri- (P.O), Palakkad submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 0.3171 Ha at Sy Nos. 5/7, 6/1B1 in Pattithara Village, Pattambi Taluk, Palakkad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC / SEIAA meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 147<sup>th</sup> meeting, recommended EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority in its 135<sup>th</sup> meeting refer back the proposal to SEAC to review the recommendation considering the SEAC report on minimum area required for mining granite building stones in Kerala ensuring environmental safeguards. The SEAC in its 157<sup>th</sup> meeting examined the proposal and observed that the proposed site has an area of 3171m<sup>2</sup> and after leaving the stipulated buffer, the mineable area is only 1590 m<sup>2</sup>. After mining to a depth of 10m, with two benches of 5m width and depth for each bench, the area left within the pit is 1024 m<sup>2</sup>. All together the minimum area required for operating the essential machines, setting the blasting array, and storage of materials on a day-to-day basis is about 865 m<sup>2</sup>. Therefore, the SEAC recommended the proposal for EC with a specific direction that the mining can be permitted for two benches of 5m height each (i.e., 10m below the overburden), as a special case.

**In the above circumstances, the Authority decided to issue Environmental Clearance for the project life of 3 (Three) years, 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 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 mining should be limited to a maximum depth of 10m (2 benches). The mineable resources shall be reworked by the Mining and Geology Department while issuing the permit.*
- 4. The quantity to be extracted and life of mine should be restricted accordingly.*
- 5. Implementation of the CER Plan should be completed during the first year itself and its operation and maintenance should be done till the implementation of mine closure plan.*
- 6. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 7. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*

9. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the Half Yearly Compliance Report (HYCR).*
10. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
11. *Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR*
12. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
13. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites*
14. *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).*
15. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
19. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

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. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
23. *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.*
24. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986*

**Item No.02**

**Environment Clearance for the Granite Building Stone Quarry of Sri. Udayan S. for an area of 0.4445 Ha at Survey Nos. 41/6-2, 41/7pt, 41/8pt, 41/9-3, 41/9-4-1 & 41/9-4-1-2 in Velinalloor Village, Kottarakara Taluk, Kollam**  
(SIA/KL/MIN/165802/2020, 2191/EC2/2023/SEIAA)

Sri. Udayan S, 5/221, Navami Kayila, Mylode, Kollam, Kerala, submitted an Environmental Clearance application for Granite Building Stone Quarry project for an area of

0.4445 Ha in Survey Nos. 41/6-2, 41/7pt, 41/8pt, 41/9-3, 41/9-4-1 & 41/9-4-1-2 at Velinalloor Village, Kottarakara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC / SEIAA meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 1 years. After the due appraisal, the SEAC in its 147<sup>th</sup> meeting, recommended EC for the project life of 1 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority in its 135<sup>th</sup> meeting refer back the proposal to SEAC to review the recommendation considering the SEAC report on minimum area required for mining granite building stones in Kerala ensuring environmental safeguards. The SEAC in its 157<sup>th</sup> meeting examined the proposal and observed that the proposed site has an area of 4445m<sup>2</sup> and after leaving the stipulated buffer, the mineable area is only 2193m<sup>2</sup>. All together the minimum area required for operating the essential machines, setting the blasting array, and storage of materials on a day-to-day basis is about 865 m<sup>2</sup>. Therefore, the SEAC recommended the proposal for EC with a specific direction that the mining can be permitted for three benches of 5m height each (i.e., 15m below the overburden), as a special case.

**In the 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 mining should be limited to a maximum depth of 15m (3 benches). The mineable resources shall be reworked by the Mining and Geology Department while issuing the permit.*

4. *The quantity to be extracted and life of mine should be restricted accordingly.*
5. *Implementation of the CER Plan should be completed during the first year itself and its operation and maintenance should be done till the implementation of mine closure plan.*
6. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
9. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
10. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
11. *Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR*
12. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
13. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites*



14. *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).*
15. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
19. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
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. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides,*

*formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

*23. 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.*

*24. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.03**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Salim for an area of 0.3840 Ha at Survey No 202 (P) in Killimangalam Village, Thalappilly Taluk, Thrissur  
(SIA/KL/MIN/40868/2019, 1447/EC2/2019/SEIAA)**

Sri. K. M. Salim, Kalapurakkal House, Killimangalam Post, Thrissur, submitted an Environmental Clearance application for the Granite Building Stone Quarry Project for an area of 0.3840 Ha at Re-Sy. Nos. 178/4, 178/5, 178/6, 178/7 and 178/8 in Killimangalam Village, Thalappilly Taluk, Thrissur.

The Authority perused the proposal and noted the decisions of various SEAC / SEIAA meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 2 years. After the due appraisal, the SEAC in its 143<sup>rd</sup> meeting, recommended EC for the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority in its 135<sup>th</sup> meeting refer back the proposal to SEAC to review the recommendation considering the SEAC report on minimum area required for mining granite building stones in Kerala ensuring environmental safeguards. The SEAC in its 157<sup>th</sup> meeting examined the proposal and observed that the proposed site has an area of 3890m<sup>2</sup> and after

leaving the stipulated buffer, the mineable area is only 2077.5 m<sup>2</sup>. After mining to a depth of 15m, with three benches of 5m width and depth for each bench, the area left within the pit is 869m<sup>2</sup>. All together the minimum area required for operating the essential machines, setting the blasting array, and storage of materials on a day-to-day basis is about 865 m<sup>2</sup>. Therefore, the SEAC recommended the proposal for EC with a specific direction that the mining can be permitted for three benches of 5m height each (i.e., 15m below the overburden), as a special case.

**In the above circumstances, the Authority decided to issue Environmental Clearance for the project life of 2 (Two) years, 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 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 mining should be limited to a maximum depth of 80m with maximum of 3 benches of 5m height each. The mineable resources shall be reworked by the Mining and Geology Department while issuing the permit.*
- 4. The quantity to be extracted and life of mine should be restricted accordingly.*
- 5. Implementation of the CER Plan should be completed during the first year itself and its operation and maintenance should be done till the implementation of mine closure plan.*
- 6. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*

7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
9. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained subsequently.*
10. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
11. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
12. *Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
13. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
14. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.*
15. *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).*
16. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
17. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*

18. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
19. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
20. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
21. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
22. *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 Corporate Environmental Responsibility (CER) shall be 2% of the total project cost.*
23. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
24. *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.*

25. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.04**

**Environmental Clearance for the Granite Building Stone Quarry project of Sri. Asokan N for an area 0.2448 Ha at Sy Nos. 7/1 part & 7/20 part in Veliyam Village, Kottarakara Taluk, Kollam.**

**(SIA/KL/MIN/43206/2019, 1489/EC2/2019/SEIAA)**

Sri. Asokan N, Murahara, Mukhathala P.O, Kollam - 691577, submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area of 0.2448 Ha at Sy. Nos. 7/1 part & 7/20part in Veliyam Village, Kottarakara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC / SEIAA meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 136<sup>th</sup> meeting, recommended EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority in its 135<sup>th</sup> meeting refer back the proposal to SEAC to review the recommendation considering the SEAC report on minimum area required for mining granite building stones in Kerala ensuring environmental safeguards. The SEAC in its 157<sup>th</sup> meeting examined the proposal and observed that the proposed site has an area of 2448m<sup>2</sup> and after leaving the stipulated buffer, the mineable area is only 943m<sup>2</sup>. All together the minimum area required for operating the essential machines, setting the blasting array, and storage of materials on a day-to-day basis is about 865 m<sup>2</sup>. Therefore, the SEAC recommended the proposal for EC with a specific direction that the mining can be permitted for one bench of 5m height each (i.e., 5m below the overburden), as a special case.

**In the 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 mining should be limited to a maximum depth of 5m (1 bench of 5m height). The mineable resources shall be reworked by the Mining and Geology Department while issuing the permit.***
4. *The quantity to be extracted and life of mine should be restricted accordingly.*
5. *Implementation of the CER Plan should be completed during the first year itself and its operation and maintenance should be done till the implementation of mine closure plan.*
6. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
9. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*

10. *Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
11. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
12. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.*
13. *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).*
14. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
15. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
16. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
17. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
18. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
19. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 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.*

**Item No.05**

**Environmental Clearance for the Granite Building Stone Quarry project of Sri. Babu P., for an area of 0.9392 Ha at Survey No. 220/1A in Thayannur Village, Vellarikund Taluk, Kasaragod  
(Old P. No. SIA/KL/MIN/42055/2019, 1427/EC2/2019/SEIAA)  
(New P. No. SIA/KL/MIN/437855/2023, 1427/EC2/2019/SEIAA)**

Sri. Babu .P, Periyadath House, Mundiyanam, Thayannur (P.O) Parappa, Kasaragod, submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 0.9392 Ha at Survey No. 220/1A in Thayannur Village, Vellarikund Taluk, Kasaragod.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 5 year. After the due appraisal, the SEAC in its 157<sup>th</sup> meeting, recommended EC for the mine life of 5 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 5 (Five) years, 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 as per 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. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
4. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
5. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
6. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
7. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the*

*Half Yearly Compliance Report (HYCR).*

- 8. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 10. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
- 11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
- 12. 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).*
- 13. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
- 15. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
- 16. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
- 17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
- 18. Retaining wall should be provided for the top soil storage area to a height of about 2 m.*
- 19. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 20. In the wake of occurrence of large scale landslides in the state, as per the*

*information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

- 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.*

**Item No.06**

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Sadikali P. A. for an area of 0.0972 Ha at Block No. 1, Re-Sy No. 161/1-19 in Panakkad Village, Eranad Taluk, Malappuram (SIA/KL/MIN/438418/2023, 2392/EC1/2023/SEIAA)**

Sri. Sadikali P. A., Pulpattil Areekat House, Paterkadav P.O, Malappuram - 676519 submitted an Environmental Clearance application for the Laterite Building Stone Quarry for

an area of 0.0972 Ha at Block No.1, Re-Sy No. 161/1-19 in Panakkad Village, Eranad Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 1 year. After the due appraisal, the SEAC in its 157<sup>th</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**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 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 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 not alter the natural drainage pattern of the area.*
- 8. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*

10. *Measures should be taken to prevent dust emissions 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 the 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 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 5.00 pm)*
20. *Adequate number of trees should be planted to compensate for the trees proposed to be cut from the site.*
21. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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 16<sup>th</sup> 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.*

**Item No.07**

**Environmental Clearance for the Ordinary Brick Clay of Sri. Reji E. K. for an area of 0.1058 Ha at Survey No. 1279/3-3159 in Moothedam Village, Nilambur Taluk, Malappuram.  
(SIA/KL/MIN/438432/2023, 2403/EC1/2023/SEIAA)**

Sri. Reji E. K., Edattamkuzhiyil House, Palangara P.O Nilambur Malappuram - 679330 submitted an Environmental Clearance application for the Ordinary Brick Clay for an area of 0.1058 Ha at Survey No. 1279/3-3159 in Moothedam Village, Nilambur Taluk, Malappuram.

The Authority noticed that SEAC in its 157<sup>th</sup> SEAC meeting observed that the nature of soil in the location is soft and loose and a residential house is located at a distance of 11m from the site. It is also noted that the mining is proposed to a depth of 5.5m. The depth to water table is 6m below ground level. The site is located in a productive rubber plantation. There is also a concealment of fact that the location of the house near to the proposed site (11m) is not revealed in the application. Based on the facts above, SEAC decided that it is not desirable to initiate a mining process to a depth around 5.5m in the site with loose soil, productive rubber plantation and a house located at 11m. Therefore, the SEAC recommended rejection of the proposal.

**The Authority agreed to the recommendation of the SEAC and decided to reject the project proposal. Necessary intimation regarding the same shall be provided to the Project Proponent.**

**Item No.08**

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Navas P. K. for an area of 0.1942 Ha at Block No. 39, Re-Survey No: 45/101 in Peringome Village, Payyannur Taluk, Kannur**

**(SIA/KL/MIN/439696/2023, 2384/EC4/2023/SEIAA)**

Sri. Navas P. K, Fathimas, Valapattanam P.O, Kannur, 670010, submitted an Environment Clearance Application for received via PARIVESH on 19<sup>th</sup> September, 2023 for the Laterite Building Stone Quarry for an area of 0.1942 Ha. at Block No.39 Re-Survey No: 45/101 in Peringome Village, Payyannur Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 2 years. After the due appraisal, the SEAC in its 157<sup>th</sup> meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 2 (Two) 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*



3. *The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity 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 agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions 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 the 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 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 5.00 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.*

**Item No.09**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Manikandan K. for an area of 0.1951 Ha at Block No: 30, Re-Survey Nos: 253/2, 102 in Eramam Village, Payyannur Taluk, Kannur**  
**(SIA/KL/MIN/446501/2023, 2425/EC4/2023/SEIAA)**

Sri. Manikandan.K, Sree Padmam, Kandoth P.O, Kannur-670307, submitted an Environmental Clearance application for the Laterite Building Stone Quarry, for an area of 0.1951 Ha at Block No: 30, Re-Survey Nos: 253/2, 102 in Eramam Village, Payyannur Taluk, Kannur.

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 project 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, the mine life is 1 year. After the due appraisal, the SEAC in its 157<sup>th</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**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 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 mining should be restricted to a maximum depth of 5 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity 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 agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions 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 the 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 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 5.00 pm).*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> 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 16<sup>th</sup> 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.*

**Item No.10**

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Prakasan C.V. for an area of 0.1944 Ha at Block No: 071, Re-Survey No: 37/808 in Nidiyenga Village, Thaliparamba Taluk, Kannur  
(SIA/KL/MIN/446871/2023, 2401/EC4/2023/SEIAA)**

Sri. Prakasan C.V., Cheran Veettil Cheparamba , Nidiyenga P.O Kannur - 670631, submitted an Environmental Clearance application for the Laterite Building Stone quarry for an area of 0.1944 Ha at Block No: 071, Re-Survey No: 37/808 in Nidiyenga Village, Thaliparamba Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 2 years. After the due appraisal, the SEAC in its 157<sup>th</sup> meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 2 (Two) 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity 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 agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions 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 the 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 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 5.00 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*

**Item No.11**

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Saji Sebastian, for an area of 1.7634 Ha at Sy Nos: 66/1, 66/2A, 66/2A, 66/2B, 128/2A, 128/2 B3, 128/2B2, 128/3A, 128/3B2 in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam.**

**(Old P. No.SIA/KL/MIN/146311/2020;1712/EC3/2020/SEIAA  
(New P. No. SIA/KL/MIN/448582/2023; 2408/EC1/2023/SEIAA)**

Sri. Saji Sebastian, Madeckal House, Kizhakkambalam P.O., Ernakulam submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area of 1.7634 Ha at Sy Nos: 66/1, 66/2A, 66/2A, 66/2B, 128/2A, 128/2 B3, 128/2B2, 128/3A, 128/3B2 in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam.

The SEAC in its 130<sup>th</sup> meeting examined the proposal, verified the documents and discussed the field inspection report. The Committee recommended the rejection of the proposal by considering the distance criteria, as the distance to the nearest built structure is only 32m. The Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the reasons for rejection.

The project proponent then submitted a representation for recalling the decision of Authority to reject the proposal. They also submitted an affidavit stating that the building is not a residential building and it is used for office/crusher unit purpose. The Hon. High Court in its Judgment in WP(C) 25388/2023 dated 03/08/2023 directed the petitioner to file an affidavit before the SEIAA undertaking that the building will be used only as site office and will not be used for residential purpose during the project life. It is also directed that once the petitioner submits such an undertaking, SEIAA shall consider the application for Environmental clearance and process the said application on accordance with law. The petitioner submitted affidavit along with copy of Judgment.

The Authority decided to accept the undertaking of the Project Proponent and decided to refer the case to SEAC to give a fresh recommendation in the light of the Judgment dated 03.08.2023 of the Hon'ble High Court in WP(C) No. 25388/2023.

The project proponent submitted a new proposal with proposal no. SIA/KL/MIN/448582/2023 and File No. 2408/EC1/2023/SEIAA. 157<sup>th</sup> SEAC meeting decided to recommend EC for the project life of 12 years subject following specific conditions in addition to the general conditions



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 project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal and the Field Inspection Report. As per the approved mining plan, the mine life is 12 years. After the due appraisal, the SEAC in its 157<sup>th</sup> meeting, recommended EC with the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

**The Authority decided to issue Environmental Clearance initially for a period of 5 years and then to extend the EC period to cover the project life of 12 (Twelve) years, from the date of execution of mine lease / permit, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region.**

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. The ultimate depth of mining should be limited to 95m above MSL to prevent*

***intersection with ground water table and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.***

5. *A buffer distance of 50m should be maintained between the project boundary and all the built structures other than the building proposed to be used as the project office.*
6. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicheria oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
7. *A drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
9. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
10. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*
11. *The bench height and width should be rectified wherever required and corrective measures should be taken to maintain 45 ° slope.*
12. *The topsoil and overburden should be stored in the lower slope region and the site should be protected with retaining/protective walls.*
13. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged*

*photographs of the drainage and sampling site should be submitted along with HYCR.*

- 14. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.*
- 15. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
- 16. 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).*
- 17. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 18. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
- 19. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
- 20. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
- 21. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
- 22. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 23. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 24. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

25. 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.
26. 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.
27. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

**Item No.12**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ranjith P.V. for an area of 0.1942 Ha at Block No: 88, Re-Survey No: 22/103 in Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/448723/2023, 2421/EC4/2023/SEIAA)**

Sri. Ranjith P.V., Karakandathil House, Pattannur P.O, Kannur- 670595, submitted an Environmental Clearance application for the Laterite Building Stone Quarry, for an area of 0.1942 Ha at Block No: 88, Re-Survey No: 22/103 of Kalliad Village, Iritty Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the project 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, the mine life is 2 years. After the due appraisal, the SEAC in its 157<sup>th</sup> meeting,

recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 2 (Two) 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 permit / lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 4m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity 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 agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions 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 the 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 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 5.00 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.*

**Item No.13**

**Environmental Clearance for the Hospital cum Medical Campus Project owned by M/s Sree Anjaneya Medical Trust in Atholi and Balussery Villages, Koyilandy Taluk, Kozhikode**

**(SIA/KL/MIS/281995/2022, 666/SEIAA/KL/5181/2014)**

The Authority deliberated the item and noted the decisions of previous SEIAA and SEAC meetings held on various dates. The Authority noted that Sri. V. Anil Kumar, Chairman, M/s Sree Anjaneya Medical Trust submitted an Environmental Clearance application for the Hospital cum Medical Campus Project in Atholi and Balussery Villages, Koyilandy Taluk, Kozhikode via PARIVESH on 17.08.2022. The entire campus is spread over a plot area of 31.98 Acres (1,29,417.78 m<sup>2</sup>). The total built up area of the project after proposed expansion is 1,39,004.64 m<sup>2</sup> of which the construction of built area of 1,05,472.56 m<sup>2</sup> has been completed. The area of the proposed expansion is 33,532.08 m<sup>2</sup>. The project proponent stated that the construction of the threshold built up area of 20,000 m<sup>2</sup> as per the EIA notification was crossed in July 2009. Accordingly, the project falls under the category of 'projects involving the violation of EIA notification 2006'.

The Authority noticed that the project was granted ToR from MoEF&CC vide F.No. 23-137/2018-IA-III(V) dated 26.07.2018. The project proposal was placed in the 134<sup>th</sup>, 135<sup>th</sup>, 136<sup>th</sup> and 144<sup>th</sup> SEAC meetings. The presentation was conducted in the 136<sup>th</sup> SEAC meeting and the Field Inspection was conducted on 4.2.2023. As per the direction of 144<sup>th</sup> SEAC meeting held on 6<sup>th</sup> to 8<sup>th</sup> June 2023, the project proponent was directed to submit 45 additional document/details/clarifications and the project proponent uploaded the additional documents only on 08.01.2024.

The Authority noticed that the 43<sup>rd</sup> SEIAA noted the violation and even after the violation ToR issued by the MoEF&CC on 26.07.2018, the project proponent has submitted the application along with the EIA report only in July 2022. The Authority observed that there is a serious lapse from the part of the project proponent in timely submission of application

form and the additional documents sought by the SEAC. Now, as per OM dated 08.01.2024, the MoEF&CC intimated that the Hon'ble Supreme Court imposed stay on the SoP dated 07.07.2021 and OM dated 28.01.2022 for identification and handling of violation cases. Therefore, the 157<sup>th</sup> SEAC also informed that they are unable to proceed with the appraisal of the proposal.

**In the above circumstances, the Authority can't process the application and decided to accept the recommendation of the SEAC to reject the application. Necessary intimation regarding the same shall be provided to the Project Proponent.**



## **CONSIDERATION OF TOR PROPOSALS**

### **Item No.01**

**Terms of Reference for the Granite Building Stone Quarry of M/s Sree Siva Granites for an area of 2.9727 Ha at Re Survey Nos: 428/pt in Thayannur Village, Vellarikund Taluk, Kasaragod**

**(SIA/KL/MIN/455634/2023, 2472/EC4/2023/SEIAA)**

Smt. Savithri Thamban, Managing Partner, M/s Sree Siva Granites, submitted the standard ToR application for the Granite Building Stone Quarry project for an area of 2.9727 Ha at Re Survey Nos. 428/pt in Thayannur Village, Vellarikund Taluk, Kasaragod.

The Authority noted that SEAC in its 157<sup>th</sup> meeting recommended Standard ToR under Category 1 (a) Mining of Mineral with certain additional studies. The Authority noticed that as per the cluster certificate dated 01.11.2023, there is another quarry working within the 500m radius and the total area comes to more than 5Ha.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

- 1. Protection plan for the abandoned quarry in the northwest side of the project area.*
- 2. Landslide susceptibility of the proposed site and surrounding areas using high resolution Digital Elevation Model.*
- 3. Breach potential of the quarry pit and possible disaster implications.*
- 4. Plan for access road.*
- 5. Cumulative traffic management plan based on detailed traffic survey.*
- 6. Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

**Item No.02**

**Terms of Reference for the Granite Building Stone quarry of Sri. Nadarsha M, Managing Partner, M/s Mythree Granites for an area of 6.8800 Ha at Re-Survey Nos. 248/3, 248/5, 248/5-1, 248/5-B, 248/5-C, 249/4, 249/4-1, 249/5, 249/13, 249/14, 249/15, 249/16, 249/17, 249/18, 249/19, 249/21, 249/22, 252/1, 252/2, 252/3, 252/4, 252/4-A, 252/5, 252/6, 252/7, 252/8, 252/9-1, 252/9, 252/10, 252/11, 252/12, 253/3, 253/4, 253/5-1, 253/7, 253/8, 257/2, 257/2-A in Pazhayakunnummel Village, Chirayinkeezhu Taluk, Thiruvananthapuram**  
**(SIA/KL/MIN/453445/2023, 2460/EC3/2023/SEIAA)**

Sri. Nadarsha M, Managing Partner, M/s Mythree Granites, Thottivila, Charupara P.O., Kilimanoor, Thiruvananthapuram submitted the Standard ToR application for the Granite Building Stone Quarry project for an area of 6.8800 ha at Re-Survey Nos. 248/3, 248/5, 248/5-1, 248/5-B, 248/5-C, 249/4, 249/4-1, 249/5, 249/13, 249/14, 249/15, 249/16, 249/17, 249/18, 249/19, 249/21, 249/22, 252/1, 252/2, 252/3, 252/4, 252/4-A, 252/5, 252/6, 252/7, 252/8, 252/9-1, 252/9, 252/10, 252/11, 252/12, 253/3, 253/4, 253/5-1, 253/7, 253/8, 257/2, 257/2-A in Pazhayakunnummel Village, Chirayinkeezhu Taluk, Thiruvananthapuram.

The Authority noted that SEAC in its 157<sup>th</sup> meeting recommend Standard ToR under Category 1 (a) Mining of Mineral with certain additional studies.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

- 1. Detailed slope study of the site and its surroundings.*
- 2. Traffic management plan based on detailed traffic survey.*
- 3. Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

**Item No.03**

**Terms of Reference for the proposed Granite Building Stone Quarry project of M/s Nalayyath Granites Pvt Ltd for an area of 0.9308 Ha at Block No. 24, Survey Nos: 120/1-12,120/1-13, 120/1-14 in Erumeli South Village, Kanjirappally Taluk, Kottayam**

**(SIA/KL/MIN/453186/2023, 2459/EC4/2023/SEIAA)**

Sri. Shibin William Varghese, M/s Nalayyath Granites Pvt Ltd., Erumeli South Village, Kanjirappally Taluk, Kottayam submitted the Standard ToR application for the proposed Granite Building Stone Quarry project for an area of 0.9308 Ha at Block No. 24, Survey Nos: 120/1-12,120/1-13, 120/1-14 in Erumeli South Village, Kanjirappally Taluk, Kottayam.

The Authority noted that SEAC in its 157<sup>th</sup> meeting observed that the project proponent has also submitted 2 other ToR applications before SEIAA, viz., SIA/KL/MIN/453536/2023 (2473/EC4/2023/SEIAA), SIA/KL/MIN/452786/2023 (2458/EC4/2023/SEIAA), in addition to this application which are within 500m radius. The project proponent has submitted 3 separate mining plans also. As per the Hon'ble Supreme Court in I.A. Nos. 12-13 of 2011, Deepak Kumar Vs State of Haryana and Others, the splitting of projects is not allowed and the project proponent may be directed to submit a single ToR application by amalgamating the entire area with a single mining plan. Hence the Committee recommended rejection of the application for ToR.

**Considering the detailed report approved by the SEAC, the Authority decided to reject the application since the splitting of projects is not allowed and the project proponent is directed to submit a single ToR application by amalgamating the entire area with a single mining plan.**

**Item No.04**

**Terms of Reference for proposed Granite Building Stone Quarry project of M/s Nallayath Granites Pvt Ltd for an area of 0.9546 ha at Block No: 24, Re-Survey Nos: 120/1-12, 120/1-14 in Erumeli South Village, Kanjirappally Taluk, Kottayam.**

**(SIA/KL/MIN/452786/2023, 2458/EC4/2023/SEIAA)**

Sri. Shibin William Varghese, M/s Nalayyath Granites Pvt Ltd., Erumeli South Village, Kanjirappally Taluk, Kottayam submitted the Standard ToR application for the proposed Granite Building Stone Quarry project for an area of 0.9546 Ha at Block No. 24, Survey Nos: 120/1-12, 120/1-14 in Erumeli South Village, Kanjirappally Taluk, Kottayam.

The Authority noted that SEAC in its 157<sup>th</sup> meeting observed that the project proponent has also submitted 2 other ToR applications before SEIAA, viz., SIA/KL/MIN/453536/2023 (2473/EC4/2023/SEIAA), SIA/KL/MIN/453186/2023 (2459/EC4/2023/SEIAA), in addition to this application which are within 500m radius. The project proponent has submitted 3 separate mining plans also. As per the Hon'ble Supreme Court in I.A. Nos. 12-13 of 2011, Deepak Kumar Vs State of Haryana and Others, the splitting of projects is not allowed and the project proponent may be directed to submit a single ToR application by amalgamating the entire area with a single mining plan. Hence the Committee recommended rejection of the application for ToR.

**Considering the detailed report approved by the SEAC, the Authority decided to reject the application since the splitting of projects is not allowed and the project proponent is directed to submit a single ToR application by amalgamating the entire area with a single mining plan.**

**Item No.05**

**Terms of Reference for proposed Granite Building Stone Quarry of M/s Nalayyath Granites Pvt Ltd for an area of 0.9884 ha at Block No. 24, Survey Nos: 120/1-13, 120/1-14, 120/1- 15, 120/1-15-1 in Erumeli South Village, Kanjirappally Taluk, Kottayam (SIA/KL/MIN/453536/2023, 2473/EC4/2023/SEIAA)**

Sri. Shibin William Varghese, M/s Nalayyath Granites Pvt Ltd., Erumeli South Village, Kanjirappally Taluk, Kottayam submitted the Standard ToR application for the proposed Granite Building Stone Quarry project for an area of 0.9884 Ha at Block No. 24, Survey Nos: 120/1-13, 120/1-14, 120/1-15, 120/1-15-1 in Erumeli South Village, Kanjirappally Taluk, Kottayam.

The Authority noted that SEAC in its 157<sup>th</sup> meeting observed that the project proponent has also submitted 2 other ToR applications before SEIAA, viz., SIA/KL/MIN/453186/2023 (2459/EC4/2023/SEIAA), SIA/KL/MIN/452786/2023 (2458/EC4/2023/SEIAA), in addition to this application which are within 500m radius. The project proponent has submitted 3 separate mining plans also. As per the Hon'ble Supreme Court in I.A. Nos. 12-13 of 2011, Deepak Kumar Vs State of Haryana and Others, the splitting of projects is not allowed and the project proponent may be directed to submit a single ToR application by amalgamating the entire area with a single mining plan. Hence the Committee recommended rejection of the application for ToR.

**Considering the detailed report approved by the SEAC, the Authority decided to reject the application since the splitting of projects is not allowed and the project proponent is directed to submit a single ToR application by amalgamating the entire area with a single mining plan.**

**Item No.06**

**Terms of Reference for the proposed Granite Building Stone Quarry of M/s. Galaxy Granites for an area of 1.6322 Ha at Re-Survey Nos. 26/6-2, 26/6-7, 26/6-11 in Mookkannur Village, Aluva Taluk, Ernakulam. (SIA/KL/MIN/456224/2023, 2483/EC1/2023/SEIAA)**

Sri. Paulson P Varkey, Managing Partner, M/s Galaxy Granites, Pynadath House, Nayathode P.O, Angamaly, Ernakulam - 683572 submitted the Standard ToR application for the proposed Granite Building Stone Quarry project for an area of 1.6322 Ha at Re-Survey Nos. 26/6-2, 26/6-7, 26/6-11 in Mookkannur Village, Aluva Taluk, Ernakulam.

The Authority noted that SEAC in its 157<sup>th</sup> meeting recommend Standard ToR under category 1 (a) Mining of Mineral with certain additional studies. As per the Cluster Certificate dated 18.12.2023 there is another quarry having an area of 4.4497 ha is functioning within 500m radius; all together the mining area becomes more than 5Ha.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

- 1. Protection plan for the old quarry on the Northwest side of the project area.*
- 2. Plan for the development of access roads.*
- 3. Breach potential of the quarry pit and possible disaster implications.*
- 4. Cumulative traffic management plan based on detailed traffic survey.*
- 5. Detailed slope study of the site and its surroundings.*
- 6. Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

**Item No.07**

**Terms of Reference for the Granite Building Stone quarry of Sri. Somasekharan Nair for an area of 4.5116 ha at Survey Nos. 214/11 pt, 214/11-3 pt, 214/7 pt, 214/19 pt, 212/12 pt, 212/2-2, 212/3-1, 212/3-1-1, 212/3-2, 212/6 pt, 212/13 pt, 212/10 pt, 212/10-1 pt, 212/7 pt, 212/16, 212/9 pt, 212/1, 212/1-1, 211/12 pt, 211/13, 211/17, 211/11 pt, 211/16 pt, 211/4 pt, 210/27, 210/26 pt, 232/10 pt, 232/3, 232/2, 213/9, 213/9-1 pt & 213/12pt in Aruvikkara Village, Nedumangad Taluk, Thiruvananthapuram, Kerala.**

**(SIA/KL/MIN/454714/2023, 2468/EC3/2023/SEIAA)**

Sri. Somasekharan Nair, Proprietor, Naduthala Veedu Manikanteswaram P. O, Aruvikkara, Thiruvananthapuram submitted the Standard ToR application for the proposed Granite Building Stone quarry project for an area of 4.5116 ha at Survey Nos. 214/11 pt, 214/11-3 pt, 214/7 pt, 214/19 pt, 212/12 pt, 212/2-2, 212/3-1, 212/3-1-1, 212/3-2, 212/6 pt, 212/13 pt, 212/10 pt, 212/10-1 pt, 212/7 pt, 212/16, 212/9 pt, 212/1, 212/1-1, 211/12 pt, 211/13, 211/17, 211/11 pt, 211/16 pt, 211/4 pt, 210/27, 210/26 pt, 232/10 pt, 232/3, 232/2, 213/9, 213/9-1 pt & 213/12pt in Aruvikkara Village, Nedumangad Taluk, Thiruvananthapuram.

The Authority noted that SEAC in its 157<sup>th</sup> meeting recommend Standard ToR under category 1 (a) Mining of Mineral with certain additional studies. As per the Cluster Certificate dated 06/12/2023, a working quarry of M/s. Travancore Blue Metal Industries Pvt. Ltd having an area of 9.2152 ha is within 500m radius of the project area, altogether the mining area becomes more than 5Ha.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

- 1. Cumulative traffic management plan based on detailed traffic survey.*
- 2. Specific control measures for dust pollution.*
- 3. Landslide susceptibility of the proposed site and surrounding areas using high resolution Digital Elevation Model.*
- 4. Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*
- 5. Impact of drainage from project area to Karamana river and mitigation measures.*

**Sd/-**

**Dr H. Nagesh Prabhu IFS (Retd)**  
**Chairman, SEIAA**

**Sd/-**

**Sri K Krishna Panicker**  
**Expert Member, SEIAA**

**Sd/-**

**Dr Rathan U. Kelkar IAS,**  
**Member Secretary, SEIAA**