

PARIVESH FILES

PART - 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCES

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. P. Abbas for an area of 0.5265 Ha in Re-Sy No.198/5, Pulikkal Village, Kondotty Taluk, Malappuram District, Kerala (SIA/KL/MIN/126527/2019; 1819/EC6/ 2020/SEIAA)**

Sri. P. Abbas, Attavalappil House, Valiyaparambu P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 26.10.2020, for the Granite Building Stone Quarry Project, for an area of 0.5265 Ha in Re-Sy No.198/5, Pulikkal Village, Kondotty Taluk, Malappuram, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, the additional details/documents obtained from the proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project 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, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
4. *The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
5. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
6. *The garland drain along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
7. *Compensatory afforestation should be done with indigenous fruit trees and the geo-tagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations.*
8. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
9. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *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.

12. 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.

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

Item No. 2

Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. Ravi Paleri in Re-Sy.No.275/1Apt, in Triprangottur Village, Thalassery Taluk, Kannur District, Kerala (SIA/KL/MIN/126728/2019; 1782/EC4/2020/SEIAA)

The Authority heard the Proponent, Sri. Ravi Paleri on 30th August 2022 and gave him an opportunity of submitting a detailed hearing note within 7 days with necessary supporting documents, if any to substantiate his claims. The proposal may be placed in the next SEIAA meeting for necessary further action.

Item No.3

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sajeer Babu V. for an area of 2.7804 Ha in Block No.33, Re-Sy. No.420/7 (420/7-1), 421/7, 422/1/1, (422/1-7, 422/1-9, 422/1-10, 422/1-11, 422/1-12), Block No14, Re-Sy.No.298/2, in Kuzhimanna & Muthuvallur Village, Kondotty Taluk, Malappuram, Kerala (SIA/KL/MIN/129012/ 2019; 1302/EC2/ 2019/SEIAA)

Sri. Sajeer Babu V., Thaliyilaparamb House, Feroke P.O, Kozhikkode submitted an application for Environmental Clearance through PARIVESH on 14.12.2019, for the Granite Building Stone Quarry Project, for an area of 2.7804 Ha in Block No.33, Re-Sy No. 420/7 (420/7-1), 421/7, 422/1/1, (422/1-7, 422/1-9, 422/1-10, 422/1-11, 422/1-12) and in Block No. 14, Re-Sy No. 298/2, at Kuzhimanna & Muthuvallur Village rrespectively, Kondotty Taluk, Malappuram, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 12 years with 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.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the project life of 12 years, from the date of issuance of original EC, 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 by violating EC conditions.

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

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *In the interest of residential buildings located at a distance of 51-200 m radius from the quarry site, the Project Proponent shall attend the following:*
 - *An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
 - *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*
5. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
6. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
7. *The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage.*

8. *The drainage along with silt traps, collection tanks and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
9. *The overburden dump should be shifted to the lower elevation portion of the project area and it should be protected with proper gabion wall to avoid soil erosion. A geo-tagged photographs of the overburden dump should be submitted along with the HYCR*
10. *Muffle blasting should be carried out. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
11. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
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 pm).*
13. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
14. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be*

- implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 15. 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.*
- 16. 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.*
- 17. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.4

Environmental Clearance for the Building Stone Quarry Project of M/s Plaza Crusher Metals in Re-Survey Nos. 143/24, 3, 13, 14, 21, 23, Ananganadi Village, Ottappalam Taluk, Palakkad District, Kerala (SIA/KL/MIN/132745/2019; 1570/EC1/2019/SEIAA)

Sri. V. P Peter, Managing Partner, M/s Plaza Crusher Metals, Cherumbattakavu, Palakkad -679501, submitted an application for Environmental Clearance via PARIVESH on 21.12.2019, for the Building Stone Quarry Project in Re-Sy Nos. 143/24, 3, 13, 14, 21, 23, Ananganadi Village, Ottappalam Taluk, Palakkad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt should be developed in the buffer zone prior to commencement of mining.*
- 4. Garland canal along with silt traps, siltation pond and overflow channel should be provided covering the entire project area*
- 5. The garland canal, silt traps, siltation pond and outflow channel should be cleaned periodically so as to avoid any hindrance to overland drainage.*
- 6. An abandoned quarry with a horizontal phase of around 10m height is found of in the proposed project area which should be protected with fencing after leaving a buffer zone so as to avoid danger to man and animal. Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*

7. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
8. *The CER should be implemented as proposed during the first six months of the project.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *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.*
12. *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.*

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

Item No.5 **Environment Clearance for the Granite Building Stone Quarry Project of Sri. Binoj K Baby, for an area of 0.7905 Ha in Re-Sy. Nos. 399/1, 399/15 & 399/18 Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala. (SIA/KL/MIN/133893/2019; 1788/E2/2020/SEIAA)**

The Authority verified the item and noted that the proponent has intimated his inconvenience to attend the hearing. So, the Authority decided to defer the hearing to the next SEIAA meeting as requested by the proponent. Prior intimation regarding the same shall be sent to the proponent well in advance.

Item No.6 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shine Mathew, for an extent of 1.0336 Ha in Block No. 13, Re-Sy. No. 541/2, Purappuzha Village, Thodupuzha Taluk, Idukki District, Kerala. (SIA/KL/MIN/136876/2020; 1687/EC3/2020/SEIAA)**

Sri. Shine Mathew submitted an application for Environmental Clearance through PARIVESH Portal on 04/02/2020, for the Granite Building Stone Quarry, for an extent of 1.0336 Ha in Block No. 13, Re-Sy. No. 541/2, Purappuzha Village, Thodupuzha Taluk, Idukki, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 6 years with 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 decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 6 years, from the date of issuance of original EC, 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 by violating EC conditions.

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

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. The top soil and OB dump site should be relocated to the downward side of the boundary between BP1 and BP2. Gabion wall should be constructed around the OB dump site. Geo-tagged photographs of the site should be submitted prior to commencement of mining.*
- 5. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 6. Topsoil should be kept separately from the overburden and should be used for green belt development*
- 7. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*

8. *The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
9. *The garland drain along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
10. *Afforestation should be done with indigenous fruit trees and the geotagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations.*
11. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
12. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
13. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
14. *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.*

15. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
16. *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.*
17. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.7

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Saji Sebastian, for an extent of 0.9696 Ha in Sy Nos: 128/3Bpt, 128/4pt, 129/1-4pt, 129/2-1pt, in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/137503/2020, 1720/EC3/2020/SEIAA)**

Sri. Saji Sebastian submitted an application for Environmental Clearance through PARIVESH Portal on 20/01/2020, for the Granite Building Stone Quarry project, for an extent of 0.9696 Ha in Sy Nos: 128/3Bpt, 128/4pt, 129/1-4pt, 129/2-1pt, in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on

Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project 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 for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer zone should be done in the first year of the project itself with plants mentioned in the biodiversity assessment report and it should be nurtured and maintained in subsequent years*
- 4. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geo-coordinates of the afforested place with photographs should be provided along with HYCR.*
- 5. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 6. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 7. Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*
- 8. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*

9. *The OB dump should be located at the lower portion of the project site and away from drainage lines and protected with gabion walls.*
10. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
11. *The existing quarry with steep vertical phase should be corrected by providing benches.*
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 pm).*
13. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
14. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
15. *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.

16. 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.

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

Item No.8

Environment Clearance for the Granite Building Stone Quarry of Sri. Joby John for an area of 0.7300 Ha in Re Sy. Nos. 382/1 & 382/5 Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala (SIA/KL/MIN/140590/2020, 1791/EC2/2020/SEIAA)

Sri. Joby John, Mundokuzhiyil House, Seethamound P.O, Pulpally, Wayanad 673579, vide application received on 15.09.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re-Sy. Nos. 382/1 & 382/5 Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala.

The Authority noted the action taken by SEAC in its 120th, 122nd, 127th & 130th meetings held on different dates. The Committee in its 130th meeting examined the proposal, verified the documents and discussed the field inspection report. The Committee observed that the proposed project is located at 3.20 km from Wayanad Wildlife Sanctuary and the Project Proponent has not produced the proof for having applied for wild life clearance. The Committee also noted that there is a residential building owned and occupied by the proponent situated at a distance of about 31 m from the proposed quarrying area which is not shown in the map certified by the Village Officer. In the circumstance, the Committee decided to recommend rejection of the proposal.

Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the reasons for rejection.

Item No.9 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. A.M. Joy, for an extent of a 0.2023 Ha Survey No. 158/5-1pt, Arakkuzha Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/140622/2020, 1722/EC3/2020/SEIAA)

Sri. A.M. Joy submitted an application for Environmental Clearance via PARIVESH Portal on 07/02/2020, for the Granite Building Stone Quarry, for an extent of 0.2023 Ha in Sy No. 158/5-1pt, Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer zone should be done in the first year of the project itself with plants mentioned in the biodiversity assessment report and it should be nurtured and maintained in subsequent years*

4. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
5. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
6. *Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*
7. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*
8. *Measures incorporated in the CER should be implemented in the first year and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
9. *The existing quarry with steep vertical phase should be corrected by providing benches.*
10. *The OB dumping site should be protected with gabion wall.*
11. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
12. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Kozhikode and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
13. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region,*

- indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 14. 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.*
- 15. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 16. 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.*
- 17. 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 Granite Building Stone Quarry Project of Sri. Eldho Kuruvilla, for an extent of a 8.7668 Ha in Re-Sy Nos. 283, 282/3-1, 282/3- 3pt of Mazhuvannoor Village & in Block No. 28, Re-Sy Nos. 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-

**2, 283/2-3-2, 282/1-3-1-2 of Arackappady Village, Kunnathunad Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/144152/2020; 1392/EC2/2019/SEIAA)**

Sri. Eldho Kuruvilla submitted an application for Environmental Clearance via PARIVESH on 20/02/2020, for the Granite Building Stone Quarry project, for an extent of 8.7668 Ha in Re-Sy Nos. 283, 282/3-1, 282/3- 3pt. of Mazhuvannoor Village & Block No: 28, Re Survey Nos. 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 of Arackappady Village, Kunnathunad Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 10 years with 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 decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the project life of 10 years, from the date of issuance of original EC, 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 by violating EC conditions.

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

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
5. *The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
6. *The garland drain along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
7. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
8. *Compensatory afforestation should be done with indigenous fruit trees and the geotagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations. The PP committed planting of native trees @ 1:5 for every tree cut from the project area.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
10. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
11. *As there are two more working quarries working within 500 Mts. distance from the project site, all the mitigation plans suggested in the Environmental Management*

- Plan derived based on the EIA should be implemented for the entire area in consultation with other project proponents. An Environmental Monitoring Cell should be constituted for the entire area by incorporating all the quarry owners and the compliance of this direction shall be included in the HYCR.*
- 12. All the concerns expressed during the Public Consultation process should be addressed without fail and it has to be mentioned in the half yearly compliance report.*
- 13. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 14. 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.*
- 15. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 16. Authority noticed including this quarry, there will be five quarries covering about 22 Ha area within 500 m radius. There are many crushers also working in this area. Combined impact of quarries and crushers on the environment is to be studied in detail and an environment management plan has to be prepared for treating the*

whole area. The Project Proponent will take the responsibility of preparing EMP with the support of other quarry owners for treating the whole area, through a recognized and other quarry owners will share the cost involved in preparation of EMP. The EMP shall be approved by SEAC. All the quarry owners will carry out the activities proposed in the EMP in their respective quarries and meet the expenditure. All the quarry owners shall mention the action taken to implement the EMP activities in their respective half yearly compliance report.

17. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 1^{6th} 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.

18. 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 proposed Granite Building Stone Quarry Project of Sri. Santhosh Kumar E. in Block No. 43, Re-Sy No.130 at Vayakkara Village, Payyannur Taluk, Kannur, Kerala (SIA/KL/MIN/145479/2020; 1407/EC1/2019/SEIAA)

Sri. Santhosh Kumar E., S/o Bhaskaran, Elavunkal House, Mundarkanam, Padiyottuchal P.O, Kannur-670353 submitted an application for Environmental Clearance through PARIVESH on 26.02.2020, for the Granite Building Stone Quarry Project, for an area of 0.4825 Ha in Block No.43, Re-Sy No.130 at Vayakkara Village, Payyannur Taluk, Kannur, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the

proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project life of 4 years, 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The maximum depth of mining should be limited at 75m AMSL and therefore, mining should not be resorted to in the 5th year as proposed in the approved mine plan.*
- 4. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 5. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 6. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
- 7. The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
- 8. The garland canal along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geo-tagged photographs should be incorporated in the Half Yearly Compliance Report.*

9. *Compensatory afforestation should be done with indigenous fruit trees and the geo-tagged photographs of the afforested place should be submitted along with HYCR.*
10. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
11. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
12. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
13. *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.*
14. *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.

15. 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 Granite Building Stone Quarry Project of Sri. Saji Sebastian, for an area of 1.7634 Ha in Sy No: 66/1, 66/2A, 66/2A, 66/2B, 128/2A, 128/2 B3, 128/2B2, 128/3A, 128/3B2 at Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala. (SIA/KL/MIN/146311/2020; 1712/EC3/2020/SEIAA)

Sri. Saji Sebastian submitted an application for Environmental Clearance *via* PARIVESH Portal on 29/02/2020, for mining of Granite Building Stone Quarry project for an area of 1.7634 Ha in 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, Kerala.

The Authority noted the action taken by SEAC in its 120th, 122nd, 123rd, 124th, 128th & 130th meetings held on different dates. The Committee in its 130th 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.

Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the reasons for rejection.

Item No.13

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ahammed Nasar M. for an area of 0.1940 Ha in Re-Sy No.27, Athavanad Village, Tirur Taluk, Malappuram Kerala (SIA/KL/MIN/148500/2022; 1711/EC6/ 2020/SEIAA)

Sri. Ahammed Nasar.M, Mandayappurath, Karippol P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 13.06.2020, for the Laterite

Building Stone Quarry Project, for an area of 0.1940 Ha in Re-Sy No.27 in Athavanad Village, Tirur Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended to issue EC for the period 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area.*
- 7. The excavated pit should be restored by the project proponent for useful purpose.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*

10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
14. *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.*
15. *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.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
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 pm).*
18. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
19. *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.

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

Item No.14

**Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. Ravi Paleri in Sy Nos. 22/2A, 23, Puthur Village, Thalassery Taluk, Kannur, Kerala
(SIA/KL/MIN/148624/2020; 1701/EC4/2020/SEIAA)**

Sri. Ravi Paleri, M/s Surya Stone Crushers & Hollow Bricks, Kalluvalappu, Cheruparamba P.O, Kannur-670693 submitted an application for Environmental Clearance through PARIVESH on 15.03.2020 in SEIAA, for the proposed Granite Building Stone Quarry Project, for an area of 0.6464 Ha in Sy Nos. 22/2A, 23, Puthur Village, Thalassery Taluk, Kannur, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting, recommended EC with the project 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, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015*

and amendments thereby.

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The haulage road should be widened and developed with blacktop prior to the commencement of mining*
- 4. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
- 5. The overburden dump is proposed at a spot between BP13 and BP12 where the slope is very steep. Therefore, the overburden should be stored in the abandoned quarry pit for the time being and used for closure of the mine on completion of mining.*
- 6. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps, siltation pond and outflow channel.*
- 7. Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
- 8. Arrangements should be made for discharge of the overland flow to the nearby natural drain*
- 9. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 10. The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
- 11. The mining should be limited to 80 m above MSL for limiting the mine depth above the groundwater table*

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 pm).*
13. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
14. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
16. *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.*
17. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

18. 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.

19. 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 Granite Building Stone Quarry Project of Sri. Shymon Anto, for an extent of a 0.9133 Ha in Sy Nos: 338/1A/20/D&D2, Keerampara Village, Kothamangalam Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/156447/2020, 1731/EC3/2020/SEIAA)**

Sri. Shymon Anto submitted an application for Environmental Clearance via PARIVESH Portal on 10/06/2020, for mining of Granite Building Stone Quarry for an extent of a 0.9133 Ha.in Sy. No: 338/1A/20/D&D2 in Keerampara Village, Kothamangalam Taluk, Ernakulam District, Kerala.

The Authority noted the action taken by SEAC in its 120th, 122nd, 124th, 127th & 130th meetings held on different dates. The Committee in its 130th meeting examined the proposal and discussed the field inspection report. The Committee noted that a crusher is located adjacent to the boundary of the proposed site, since there are built structures within 50 m of the proposed project area, the Committee recommended rejection of the proposal.

Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the reasons for rejection.

Item No.16

**Environment Clearance for the Granite Building Stone Quarry of Sri. Sudheesh A.T. for an area of 1.8407 Ha in Re-Sy Nos. 129/20, 129/19, 134/6, 134/7, Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala
(SIA/KL/MIN/161938/2020, 1727/EC2/2020/SEIAA)**

Sri. Sudheesh A T, Proprietor, Adakkathottathil House, Rattakundu, Kumbleri P O, Wayanad 673593, vide application received on 06.07.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re-Sy Nos. 129/20, 129/19, 134/6, 134/7 of Padchira Village, Sulthan Bathery Taluk, Wayanad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 10 years with 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 decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 10 years, from the date of issuance of original EC, 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 by violating EC conditions.

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

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *Since the quarry site is located within a distance of 10 km from Wayand Wildlife Sanctuary, Nagarhole National Park and Tiger Reserve, and Bandipur National Park, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site. If it is located within 5 KMs from interstate boundary the EC can be issued at central level.*
5. *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. *The boundary pillars, should be changed with concrete pillars marked with geo coordinates and fixed using concrete and geotagged photographs of each pillar should be submitted prior to the commencement of mining.*
7. *The temporary shed located at the north-east corner of the project site should be demolished and geo-tagged photograph of the same should be submitted prior to the issuance of EC.*
8. *The haulage road should be widened to at least 7m width prior to commencement of mining and geo-tagged photograph of the same should be submitted prior to the issuance of EC.*

9. *Compensatory afforestation should be done prior to the commencement of mining with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
10. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
11. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
12. *Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*
13. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*
14. *The maximum depth of mining should not exceed 715 above MSL.*
15. *The quarry pit should be developed as a water harvesting pond as per the mine closure plan.*
16. *The OB dump should be located at the lower portion of the project site and away from drainage lines and protected with gabion walls.*
17. *An additional settling pond at the lower part of the own land of the applicant should be provided for ensuring the discharge of clear water to the nearby low land/ paddy field.*
18. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
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. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
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.17

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Dineesh Vijayan, for an extent of a 0.7137 Ha in Re-Sy. Nos. 140/2, 140/2-1, 140/2-1-1 of Vallichira Village, Meenachil Taluk, Kottayam, Kerala.
(SIA/KL/MIN/163594/2020; 1756/EC3/2020/SEIAA)**

Sri. Dineesh Vijayan submitted an application for Environmental Clearance via PARIVESH on 15/07/2020, for the Granite Building Stone Quarry project, for an extent of 0.7137 Ha in Re-Sy. Nos. 140/2, 140/2-1, 140/2-1-1 of Vallichira Village, Meenachil Taluk, Kottayam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project 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, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 4. Blasting mats should be used during rock blasting to contain the blast, prevent fly*

rocks and suppress dust.

- 5. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
- 6. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geo coordinates of the afforested place with photographs should be provided along with HYCR.*
- 7. The overburden dump should be protected with retaining wall.*
- 8. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m interval, siltation pond and outflow channel. There should be three siltation ponds arranged in a series which should be made with concrete*
- 9. Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
- 10. The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
- 11. The haulage road should be maintained well.*
- 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 pm).*
- 13. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities*

proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

14. 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.

15. 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.

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

Item No.18

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. N. S. Ganesh, for an extent of a 0.9995 Ha in Block No. 32, Re- Sy No: 171/8, of Airapuram Village, Kunnathunadu Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/164222/2020; 1757/EC3/2020/SEIAA)**

Sri. N. S. Ganesh submitted an application for Environmental Clearance via PARIVESH on 18/07/2020, for the Granite Building Stone Quarry, for an extent of a 0.9995 Ha in Block No. 32, Re-Sy No: 171/8, of Airapuram Village, Kunnathunadu Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a period of 4 years, 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The maximum mine depth should be limited at 35m with 5 benches instead of 15m with 9 benches.*
- 4. The boundary pillars should be fixed with concrete and geo-tagged photographs of the same should be submitted prior to commencement of mining.*
- 5. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 6. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 7. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*

8. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
9. *The overburden dump should be protected with retaining wall.*
10. *Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m interval, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
11. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
12. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
13. *The haulage road should be maintained well.*
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 pm).*
15. *Environment Management Cell (EMC) should include one subject expert qualified in Environment Science.*
16. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

17. *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.*
18. *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.*
19. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.19

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Jobin C Raju, for an extent of a 0.8990 Ha in Survey No: 892/15 of Arakuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/164464/2020; 1784/EC3/2020/SEIAA)**

Sri. Jobin C. Raju submitted an application for Environmental Clearance via PARIVESH Portal on 21/07/2020, for the Granite Building Stone Quarry project for an extent of a 0.8990 Ha in Survey No. 892/15 of Arakuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC

in its 130th meeting recommended EC for a period of 4 years, 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The maximum mining depth should not exceed 165m above MSL.*
- 4. Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
- 5. Compensatory afforestation should be done prior to the commencement of mining with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
- 6. Avenue trees should be planted and nurtured all along the sides of the haulage road.*
- 7. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 8. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 9. Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*

10. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*
11. *The OB dump should be located at the lower portion of the project site and away from drainage lines and protected with gabion walls.*
12. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
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 pm).*
14. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
15. *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.*
16. *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.

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

Item No.20

**Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Abdul Gafoor for an area of 0.9122 Ha in Block No: 33, Re-Sy Nos. 369/1/2, 368/4/1, 368/3, Ongallur-II Village, Pattambi Taluk, Palakkad, Kerala
(SIA/KL/MIN/170229/2020; 1795/EC1/2020/SEIAA)**

Sri. Abdul Gafoor, S/o Saidalavi, Parakkattil House, Vallapuzha P.O, Pattambi, Palakkad submitted an application for Environmental Clearance via PARIVESH on 29.08.2020, for the proposed Granite Building Stone Quarry, for an area of 0.9122 Ha in Block No: 33, Re-Sy Nos: 369/1/2, 368/4/1, 368/3, Ongallur-II Village, Pattambi Taluk, Palakkad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project 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 for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
4. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
5. *The overburden dump should be protected with retaining wall.*
6. *Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m interval, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
7. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
8. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
9. *The haulage road should be maintained well.*
10. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
11. *The lowest bench should be well above local groundwater table.*
12. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region,*

- indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 13. 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.*
- 14. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 15. 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.*
- 16. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

ItemNo.21

Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. E. P. Krishnan Kutty in Re-Sy No. 67/2A in Perumanna Village, Kozhikode Taluk, Kozhikode, Kerala (SIA/KL/MIN/190202/2020; 1867/EC4/2020/SEIAA)

Sri. E. P. Krishnan Kutty, Noonhiyil Meethal House, Pantheerankavu P.O, Kozhikode - 673013 submitted an application for Environmental Clearance through PARIVESH on 28.12.2020, for the Granite Building Stone Quarry Project, for an area of 0.2632 Ha in Re-Sy No. 67/2A, Perumanna Village, Kozhikode Taluk, Kozhikode, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a period 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt should be developed all along the entire buffer zone using indigenous species including climbers and herbs in the first year itself and it should be nurtured and maintained.*
- 4. Compensatory afforestation for the trees to be removed from the proposed site should be done prior to the commencement of mining with indigenous species and the geo-coordinates of the afforested place with photographs should be provided along with HYCR.*
- 5. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps, siltation pond and outflow channel and it should be connected to the nearest natural drain.*

6. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
7. *The CER should be implemented in total during the first year and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
8. *The haulage road should be maintained well.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *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.*
12. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

13. 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.

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

Item No.22

Environmental Clearance for the Granite Building Stone Quarry of Sri. K. I Joseph for an area of 0.9910 Ha in Survey No. 53/2, Venganellur Village, Thalappilly Taluk, Thrissur District

SIA/KL/MIN/205474/2021; 1444/EC2/2019/SEIAA (EC Proposal)

&

SIA/KL/MIN/41118/2019; 1444/EC2/2019/SEIAA (ToR proposal)

Sri. K. I. Joseph, Kallur House, Venganellur, Chelakkara P.O, Thrissur submitted an application for Environmental Clearance through PARIVESH on 19.09.2019, for the Granite Building Stone Quarry project for an area of 0.9910 Ha in Survey No.5 3/2 in Venganellur Village, Thalappilly Taluk, Thrissur District.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommended EC with the project 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, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be issued only after producing a consent letter from the land owner of the plot in SY NO.53/6 where the proponent plans to stack the overburden.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 4. Since the quarry site is located within a distance of 10 km from Peechi-Vazhani Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
- 5. 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. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain. An additional clarifier should also be provided.*
- 7. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of*

- the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 8. Blasting should be scheduled such that it will not overlap with the blasting time of the adjacent quarry.*
 - 9. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
 - 10. Access road is narrow, so medium type vehicle should be used for the transportation of mined material. The proponent should adhere to the plan for traffic management submitted in consultation with the adjacent proposed quarry of Shri Vijayakumar.*
 - 11. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
 - 12. 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.*
 - 13. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

14. 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.

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

The SEIAA Secretariat shall forward a copy of the EC to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, District Collector, Thrissur and Director Mining and Geology, Department of Industries GoK, besides others for information and necessary further action.

Item No.23

Environment Clearance for the Laterite Building Stone Quarry of Sri. Jaleel S. for an area of 0.1155 Ha in Re-Sy Nos. 241/2-24, 241/3-26 Thamarakkulam Village, Mavelikara Taluk, Alappuzha, Kerala (SIA/KL/MIN/271866/2022; 2036/EC2/2022/SEIAA)

Sri. Jaleel. S, S/o. Saleem Rowthar, Saleem Manzil, Thamarakkulam P.O Alappuzha- 690 530, vide application received on 04.06.2022, sought Environmental Clearance for the Laterite Building Stone Quarry in Re-Sy. Nos.241/2-24,241/3-26 of Thamarakkulam Village, Mavelikkara Taluk, Alappuzha, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended EC for the project 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2) The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) The excavation activity associated should not involve blasting.*
- 4) The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5) The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6) The excavation activity should not alter the natural drainage pattern of the area.*
- 7) The excavated pit should be restored by the project proponent for useful purpose.*
- 8) Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9) Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 10) Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 11) Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12) A berm should be left from the boundary of adjoining field having a width equal to at*

- least half the depth of proposed excavation.*
- 13) A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
- 14) 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.*
- 15) 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.*
- 16) The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 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 pm).*
- 18) As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 19) 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.*

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

Item No. 24

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Haridas P.G, for an area of 0.9345 Ha in Survey No. 156/1 (P) & 156/2 (P) in Karimkunnam Village, Thodupuzha Taluk, Idukki District, Kerala.
(SIA/KL/MIN/277739/2022, File No.1223/EC2/2019/SEIAA)**

Sri. Haridas P.G., Pallickasseriyl, Ezhalloor P.O., Thodupuzha, Idukki- 680605, vide online application and the hardcopy received on 08.04.2019, sought Environmental Clearance under EIA Notification, 2006 for the granite building stone quarry project for an area of 0.9345 Ha in Survey Nos. 156/1 (P) & 156/2 (P), Karimkunnam Village, Thodupuzha Taluk, Idukki, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 128th and 130th meetings recommended EC with the project 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, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *The mining shall not be carried out in a notified ESA area.*
4. **The Proponent should submit a sworn affidavit stating that the boundary pillars are fixed permanently with concrete base and he shall submit the geotagged photographs as proof of having attended this observation of SEAC, before the issuance of EC.**
5. *Topsoil from the overburden should be stored separately and used for green belt development.*
6. *The overburden dumping site should be located on the lower side of the project area and it should be protected with Gabion structure to prevent sliding, runoff and erosion of the dump during rains.*
7. *The entire project area should be provided with fencing.*
8. *The buffer area should be demarcated around the quarry area as given in the mine plan should not be used for any purpose other than green belt development.*
9. *Green belt should be developed prior to the commencement of mining using indigenous species and it should be protected and nurtured till the mine closure plan is implemented in total.*
10. *Garland canal, intermittent silt traps, siltation pond and outflow channel should be provided covering the entire project area. Silt traps should be provided at an interval of 10m. The outflow channel should be connected to the nearby natural stream.*
11. *Garland canal, intermittent silt traps, siltation pond and outflow channel should be desilted periodically for channelizing unhindered overland flow and geotagged photographs of the process should be submitted along with half-yearly compliance report (HYCR).*
12. *The turbidity of drainage water should be monitored during different seasons and reported.*
13. *Measures incorporated in the CER should be implemented in total during the first*

two years and they should be operated and maintained during the remaining project period.

- 14. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 15. 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.*
- 16. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 17. 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.*
- 18. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.25

**Environmental Clearance for the Removal of Ordinary Earth project of Sri. Thambu S. in Sy.No.270/6 & 270/3 Kulakkada Village, Kottarakkara Taluk, Kollam District
(SIA/KL/MIN/277892/2022; 916/A1/EC1/ 2019/ SEIAA)**

Shri. Thambu. S, Lakshmi Prabha, Sreenagar, Kadappakkada, Kollam-691008, vide his application received on 20/03/2019, sought Environmental Clearance for the removal of ordinary earth from an area of 46.31 ares in Sy Nos. 270/6 & 270/3, Kulakkada Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, the Filed Inspection Report and the hearing notes of the Proponent. After the due appraisal, the SEAC in its 126th and 130th meetings recommended EC for the removal of ordinary earth as per the quantity mentioned in the approved mining plan, 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 General Conditions and specific recommendations of SEAC when the proposal was originally recommended SEIAA for issuing EC.

Item No.26

**Environmental Clearance for the Mining of Brick Clay project of Sri. P. Sundaran in Sy Nos. 111/1 & 111/2 Puthoor Village, Kottarakkara Taluk, Kollam District,
[SIA/KL/MIN/277955/2022, 929/A1/2019/SEIAA]**

Sri. P. Sundaram, Lakshmi Prabha, Sreenagar, Kadappakkada, Kollam-691008, vide his application received on 22/03/2019, sought Environmental Clearance for mining of brick clay from an area of 21 ares in Sy Nos. 111/1 & 111/2, Puthoor Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, the Filed Inspection Report and the hearing notes of the Proponent. After the due appraisal, the SEAC in its 126th and 130th meetings recommended EC for the removal of ordinary earth as per the quantity mentioned in the approved mining plan, 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 General Conditions and the specific conditions put in by SEAC in their original recommendation to SEIAA.

Item No.27 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Faisal Kannadan for an area of 0.1943 Ha in Re-Sy No. 82/1-23, Kurumbathur Village, Tirur Taluk, Malappuram, Kerala**
(SIA/KL/MIN/279900/ 2022; 2039/EC6/ 2022/SEIAA)

Sri. Muhammed Faisal Kannadan, S/o Beerankutty, Kannadan House, Marakkara, Kallarmangalam, Malappuram submitted an application for Environmental Clearance through PARIVESH on 25.06.2022, for the Laterite Building Stone Quarry Project, for an area of 0.1943 Ha in Re-Sy No.82/1-23 in Kurumbathur Village, Tirur Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended EC for the project 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015*

and amendments thereby.

- 2) The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) The excavation activity associated should not involve blasting.*
- 4) The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5) The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6) The excavation activity should not alter the natural drainage pattern of the area.*
- 7) The excavated pit should be restored by the project proponent for useful purpose.*
- 8) Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9) Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 10) Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 11) Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12) A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 13) A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
- 14) 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.*

- 15) *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.*
- 16) *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 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 pm).*
- 18) *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 19) *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.*
- 20) *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.28

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Faisal K. for an area of 0.2914 Ha in Re-Sy No. 82/1-40 (82/1), Kurumbathur Village, Tirur Taluk, Malappuram, Kerala

(SIA/KL/MIN/280322/ 2022; 2038/EC6/ 2022/SEIAA)

Sri. Muhammed Faisal K., S/o Beerankutty, Kannadan House, Marakkara, Kallarmangalam, Malappuram submitted an application for Environmental Clearance through PARIVESH on 27.06.2022, for the Laterite Building Stone Quarry Project, for an area of 0.2914 Ha in Re-Sy No.82/1-40 (82/1), Kurumbathur Village, Tirur Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended EC for the project 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 proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2) The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) The excavation activity associated should not involve blasting.*
- 4) The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5) The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6) The excavation activity should not alter the natural drainage pattern of the area.*
- 7) The excavated pit should be restored by the project proponent for useful purpose.*

- 8) *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9) *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 10) *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 11) *Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12) *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 13) *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
- 14) *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.*
- 15) *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.*
- 16) *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 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 pm).*
- 18) *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be*

implemented in consultation with local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

19) 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.

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

Item No.29

**Environmental Clearance for the Granite Building Stone Quarry of Mr. Suresh Babu in Re Survey Nos. 1/9, 2/4A, 2/4B, Ottappalam- I Village, Ottapalam Taluk, Palakkad District (Conversion from ToR to EC)
(SIA/KL/MIN/280933/2022; 1419/EC1/2019/SEIAA)**

Sri. Suresh Babu, S/O V. Sadasivan, 13/393A, Chemmarikatt Apartments, Opp: Carmel School, Kallipadam, Kulappully, Palakkad- 685584 submitted application for Environmental Clearance, for the Granite Building Stone Quarry in Re Survey Nos. 1/9, 2/4A, 2/4B, Ottappalam- I Village, Ottapalam Taluk, Palakkad District.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project 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, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Planting of trees for the development of green belt should be done prior to the commencement of mining and the green belt should be nurtured and maintained*
- 4. Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with half-yearly compliance report.*
- 5. Garland drain along with silt traps, siltation pond of appropriate volume and outflow channel should be provided covering the entire project area. The siltation pond should be provided at the lowest portion of the project area with the outflow channel connected to natural drain.*
- 6. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically to prevent any obstruction to the drainage system. Geo-tagged photographs of periodic cleaning of garland canal, silt raps, siltation pond and outflow channel should be included in the half-yearly compliance report.*
- 7. A retaining wall of appropriate height should be provided for the overburden dumping site.*
- 8. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

9. *Haulage road should be widened and maintained well with frequent sprinkling of water.*
10. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the half-yearly compliance report.*
11. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
12. *The seasonal drain from the North – East to South – West direction of the proposed area is to be protected with adequate measures.*
13. *In the interest of residential buildings located at a distance of 51-200 m radius from the quarry site, the Project Proponent shall attend the following:*
 - *An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 200 mts radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
 - *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*

14. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
15. *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.*
16. *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.*
17. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.30

Environment Clearance for the Granite Building Stone Quarry project of Sri. O. D. Thomas, for an area of 1.1341 Ha in Re Sy No.

**374/752 & 374/738 Valad Village, Mananthavady Taluk, Wayanad,
Kerala
(SIA/KL/MIN/32061/2019; 1622/EC2/2020/SEIAA)**

Sri. O. D. Thomas, Managing Director, M/s. Nellimunda Granites and Sands Pvt Ltd. Olickal House, Vikas Nagar, Kalpetta, Wayanad, Kerala - 673121, vide application received on 25.03.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re Sy No. 374/752 & 374/738, Valad Village, Mananthavady Taluk, Wayanad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, the Field Inspection Report and the proof of application submitted for Wildlife Clearance. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 9 years with 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 decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the project life of 9 years, from the date of issuance of original EC, 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 by violating EC conditions.

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

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department*

- of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since the quarry site is located within a distance of 10 km from Kottiyoor Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
 - 4. 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.*
 - 5. The maximum mine depth should be limited at 755m above MSL.*
 - 6. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
 - 7. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
 - 8. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geo coordinates of the afforested place with photographs should be provided along with HYCR.*
 - 9. The overburden dump should be protected with gabion wall.*
 - 10. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m, siltation pond and outflow channel and it should be connected to the nearest natural drain.*

11. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
12. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
13. *The haulage road should be maintained well.*
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 pm).*
15. *The Environment Management Cell (EMC) should include one subject expert qualified in environment science.*
16. *Geotagged photographs of the stream showing water turbidity during various season has to be submitted along with HYCR.*
17. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Wayamad and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
18. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

19. *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.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
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.31

**Environmental Clearance for the mining of Granite Building Stone Quarry of Sri. Jose Varghese for an extent of 0.7511 Ha in Sy. No. 5/1 of Alakode Village, Thodupuzha Taluk, Idukki, Kerala.
(SIA/KL/MIN/34543/2019, 1589/EC1/2020/SEIAA)**

Sri. Jose Varghese submitted an application for Environment Clearance via PARIVESH Portal on 18/06/2020, for mining of Granite Building Stone Quarry for an extent of 0.7511 Ha in Sy. No. 5/1 of Alakode Village, Thodupuzha Taluk, Idukki District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC

in its 130th meeting recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 (three) years, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The maximum mine depth should be limited at 130m above MSL.*
- 4. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 5. Green belt should be developed all along the entire buffer zone using indigenous species including climbers and herbs in the first year itself and it should be nurtured and maintained.*
- 6. No trees in the buffer zone should be removed*
- 7. A temporary wall connecting the boundary pillars BP3-BP4-BP5 should be provided in addition to the green belt.*
- 8. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
- 9. The overburden dump should be protected with gabion wall.*
- 10. Garland drain should be laid covering the entire project area and it should be*

- provided with intermittent silt traps at every 10m, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
- 11. Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
 - 12. The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
 - 13. The haulage road should be maintained well.*
 - 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 pm).*
 - 15. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
 - 16. 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.*

17. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
18. *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.*
19. *As and when the Marthoma granites, located adjacent to this quarry, with an area of 7.4590 Ha, which is under litigation at present, starts functioning, there will be a cluster situation and all the quarry operators in this cluster shall follow the directions contained in the EIA notification 2006 for operating quarries in the cluster.*
20. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.32

Environment Clearance for the Granite Building Stone Quarry of Sri. Biju Khan for an area of 0.9037 Ha in Re-Survey No.-214/1-1-1, 214/1-1-2, 214/2pt (Own Patta land) & Re-Sy.No.-214/1pt (Govt. Land) Pooyapally Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/43903/2019, 1548/EC2/2019/SEIAA)

&

Item No.33

Environment Clearance for the Granite Building Stone Quarry of Sri. Biju Khan for an area of 0.5456 Ha in Re-Survey No.- 217/17pt (Patta land) & Re-Survey No.-214/1pt (Govt. Land) Pooyapally Village, Kottarakara Taluk, Kollam, Kerala. (SIA/KL/MIN/43937/2019; 1547/EC2/2019/SEIAA)

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, NOC, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for both the projects with the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

On deliberation, the Authority found that the government land included in both projects is contiguous with same survey number. If both projects are combined as a single project, the environment mitigation measures will be more effective. The Authority decided to obtain an explanation from the Project Proponent for proposing two different projects adjacent to each other even though the government land included in these projects is contiguous.

Item No.34

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri M. H. Abdul Nousad, for an area of 3.2299 Ha in Survey Nos. 158/1, 158/2, 158/3, 159, Venganellor Village, Thalappily Taluk, Thrissur District
(SIA/KL/MIN/ 275580/2022, File No.1397/EC2/ 2019/SEIAA)**

Sri M. H. Abdul Nousad, Moolayil House, Valavu-Mullurkkara P.O, Thrissur vide his online application and the hard copy received on 05/07/2019 sought Environmental Clearance under EIA Notification, 2006 for the granite building stone quarry project, for an area of 3.2299 Ha in Survey Nos. 158/1, 158/2, 158/3, 159 at Venganellor Village, Thalappily Taluk, Thrissur District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 129th meeting recommended EC with the project 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, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since the quarry site is located within a distance of 10 km from Peechi Vazhani Wild Life Sanctuary as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
- 4. 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.*
- 5. Precautionary measures must be taken to prevent rolling down of boulders and erosion of soil from the northern flank towards the valley. Slope must be stabilized with Vetiver and by using vegetation.*
- 6. The traffic plan submitted should be strictly adhered to.*
- 7. Measures incorporated in the CER should be implemented in full during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*

8. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Thrissur and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
10. *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.*
11. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
12. *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.*

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

CONSIDERATION OF TOR PROPOSALS

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry of Mr. Suresh Babu in Re Survey Nos. 1/9, 2/4A, 2/4B, Ottappalam- I Village, Ottapalam Taluk, Palakkad District - Conversion from ToR to EC
(SIA/KL/MIN/40632/2019; 1419/EC1/2019/SEIAA)**

Decision taken in the EC proposal, Part 1 Item No.29

Item No.2 **ToR for Granite Building Stone Quarry Project of M/s Iritty Constructions in Block No.71, Re-Sy Nos.1/396, 1/431, 1/432, 1/434 & 1/435, Nediyanaga Village, Taliparamba Taluk, Kannur District, Kerala
(SIA/KL/MIN/75758/2022) {1986/EC4/2022/SEIAA}**

M/s Iritty Constructions, Door No.17/137B, Uruvachal P.O, Kannur-670702 submitted an application for the approval of ToR in SEIAA through PARIVESH on 22.04.2022, for the proposed Granite Building Stone Quarry Project, for an area of 4.5449 Ha in Block No.71, Re-Sy Nos.1/396, 1/431, 1/432, 1/434 & 1/435 in Nediyanaga Village, Taliparamba Taluk, Kannur District, Kerala.

The Authority noted that the proposal was placed in the 130th SEAC meeting, the Committee examined the proposal, verified the documents submitted by the proponent and decided to approve Standard Terms of Reference along with certain additional studies.

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

1. Probability of landslides and soil piping in the impact zone.

2. Detailed hydrological and hydro-geological characteristics of the impact zone
3. Digital Terrain Model of the study area

General Decision

1. Authority noticed that there is a component of CER in all Project proposals and in certain proposals there will be a component to raise Compensatory Afforestation. It is suggested to develop guidelines with the assistance expert members of SEAC for the implementation of these components so that tangible environment friendly assets can be created utilizing the provisions under these components. Environmental Scientist and Environmental officer in SEIAA Secretariat will prepare drafts and circulate among members of SEIAA and SEAC and put up a draft for the approval of SEIAA within 2 months.

Sd/-
Dr. H. Nagesh Prabhu IFS (Retd)
Chairman, SEIAA

Sd/-
Dr. V. Venu IAS
Member Secretary, SEIAA

Sd/-
Sri. K.Krishna Panicker
Member, SEIAA