

## **PARIVESH FILES**

### **PART – 1**

#### **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**Item No:1**                      **Environmental Clearance for the proposed granite building stone quarry project in Re-Sy. No.159/2A2B of Poolakode Village, Kozhikode Taluk, Kozhikode District, Kerala by Shri. Satheesan (SIA/KL/MIN/130079/2019) (1696/EC4/2019/SEIAA)**

The Authority perused proposal and noted that the SEAC has corrected the minutes of the 126<sup>th</sup> meeting and decided to refer back the proposal to SEAC for further appraisal.

**Item No. 2**                      **Environmental Clearance for the proposed granite building stone quarry in Re-Sy No. 188/2 in Kodyathur Village, Kozhikode Taluk, Kozhikode District Kerala by Shri. Mohammed K.K. (SIA/KL/MIN/138256/2020) (File No.1702/EC4/2020/SEIAA)**

Shri. Muhammed K.K, S/o Abdurahiman Haji, Kodakkodan House, Poovathikkal P.O., Urangattiri, Malappuram-673639 submitted an application for Environmental Clearance in SEIAA through PARIVESH for the Granite Building Stone quarry project in Re-Sy No. 188/2 at Kodyathur Village, Kozhikode Taluk, Kozhikode District of Kerala for an extent of 0.9199 Ha.

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 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. Compensatory afforestation should be done with fruit trees and the geo coordinates of the place with photographs should be provided along with HYCR.*
- 5. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 6. 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).*
- 7. Greenbelt development in the buffer zone should commence in the first year itself prior to the commencement of mining and should be nurtured and maintained in the subsequent years.*
- 8. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the project Proponent 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.*

- 9. 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.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

It is brought to the notice of the Authority that the Project Proponent had expired and legal heirship and other documents were submitted in SEIAA office with a request to issue EC in the name legal heir. Authority considered the request and decided to issue EC in the name of the legal heir after ensuring that all required documents to issue EC in the name of legal heir are produced.

**Item No.3**

**Environmental Clearance for the Granite Building Stone Quarry project in Re-Sy No. 104/1 of Kuruva Village, Perinthalmanna Taluk, Malappuram District, Kerala for an area of 0.7018 Ha by Shri. Siddique Aparambil (Proposal No. SIA/KL/MIN/141476/2020, 1660/EC6/2020/SEIAA)**

Shri. Siddique Aparambil, Proprietor, Aparambil House Parammmalangadi, Malappuram submitted an application in SEIAA through PARIVESH on 25.09.2020 for

Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 104/1 in Kuruva Village, Perinthalmanna Taluk, Malappuram District for an area of 0.7018 Ha.

Authority noticed 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 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. A protective retaining wall should be constructed around the overburden dump site as per the affidavit submitted.*
- 5. Compensatory afforestation should be done during the 1<sup>st</sup> year itself and the coordinates of the area should be provided along with HYCR.*
- 6. Fencing should be completed all around. A photograph with geo-coordinates need to be submitted after completion.*
- 7. The seasonal water flows along the southeast part of the site should be conserved as per the submitted affidavit.*
- 8. Before starting mining, the columnar rocks should be removed using a rock breaker. Fragmented and jointed outcrop should be removed with utmost care.*

9. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
10. *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).*
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 government 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. *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.4**

**Environmental Clearance for the Granite Building Stone Quarry of in Re-Sy No. 383/1, 385 in Panthalloor Village, Ernad Taluk, Malappuram District for an area of 1.8112 Ha by Sri. Shabeer Ali SIA/KL/MIN/158794/2020, 1835/EC6/2020/SEIAA (EC Proposal) & SIA/KL/MIN/35208/2019, 1346/EC2/2019/SEIAA (ToR proposal)**

Sri. Shabeer Ali, S/o Muhammed, Paruthikuth House, Thachinganadam P.O, Malappuram submitted an application in SEIAA through PARIVESH on 24.04.2019 for Environmental Clearance for the Granite Building Stone Quarry in Re Sy No. 383/1, 385 in Panthalloor Village, Ernad Taluk, Malappuram District for an area of 1.8112 Ha.

The 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 127<sup>th</sup> meeting recommend to issue EC for the project life of 10 years.

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 EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover 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. 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. Compensatory afforestation should be done with fruit trees and it should commence prior to the commencement of mining. The geo-coordinates of the afforested place with photographs should be provided along with HYCR.*

4. *Maximum buffer should be maintained between the abandoned quarry & nearby BP4.*
5. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
6. *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).*
7. *Retaining wall should be provided for the dumping site to a height of about 2m.*
8. *The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
9. *Sprinkling of water should be done on the unsurfaced road prior to the movement of each truck.*
10. *The green-belt development should be initiated prior to the commencement of quarry operations.*
11. *The CER proposed should be implemented during the first two years and maintained during the remaining project period.*
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 government 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.*

*16. 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.*

**Item No.5      Environmental Clearance for Ordinary Earth Mining Project of Mrs. Anu J Kadavan, over an extent of 0.5685 Ha in Re-Sy. No 406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala (Proposal No. SIA/KL/MIN/169050/2020; File: No. 1785/EC3/2020/SEIAA)**

Mrs. Anu J Kadavan, Kadavil Villa, Chalaykkal Estate, South Vazhakkulam P.O Aluva - 683105 submitted an application on 21/08/2020 in SEIAA through PARIVESH for Environmental Clearance of Ordinary Earth Mining Project, over an extent of 0.5685 Ha in Re-Sy No. 406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala.

Authority noticed 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 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 2 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/permit order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavated soil shall not be used for filling the paddy fields or wetlands.*
- 4. The depth of mining should be limited above the groundwater table.*
- 5. Benches should be maintained with a height of 2 meters and width of 2 meters.*
- 6. Planting should be done in the elevated area after excavation.*
- 7. Appropriate drainage should be maintained from the Project site and surrounding area so as to ensure unhindered overland flow. The drainage channel should be provided with silt traps, siltation ponds and outflow channel which should be desilted periodically to avoid obstruction of overland flow.*
- 8. Top soil should be dumped in the laterite quarry in the adjacent plot and re-use in the excavated area.*
- 9. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

**Item No.6      Environmental Clearance for the Granite Building Stone Quarry project in Re-Sy No. 321/1-1 of Kulukkallur Village, Pattambi Taluk, Palakkad District, Kerala by Sri. Muhammed Saleem.V**  
**SIA/KL/MIN/169720/ 2020, 1433/EC1/2019/SEIAA**  
**&**  
**SIA/KL/MIN/41954/2019, 1433/EC1/2019/SEIAA**

Sri. Muhammed Saleem V., Veluthethodi, Natyamangalam, Chundanbatta, Palakkad submitted an application in SEIAA through PARIVESH for the Granite Building Stone Quarry project in Re-Sy No. 321/1-1 of Kulukkallur Village, Pattambi Taluk, Palakkad District, Kerala.

Authority noticed 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 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 5. The maximum depth of mining should be limited to 40 m above MSL to avoid breaching of the water storage in the quarry pit and also to avoid impact on the nearby wells.*
- 6. 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.*

- 7. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 8. 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).*
- 9. 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.*
- 10. The Green belt development in the buffer should be done in the first year of the project itself by giving preference to local plants and it should be nurtured and maintained in subsequent years.*
- 11. Compensatory afforestation should be done during the 1st year itself and the coordinates of the area with geotagged photos shall be submitted in HYCR*
- 12. The proponent should follow the measures in the comprehensive EMP prepared for the proposed and the two nearby abandoned quarries.*
- 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 government 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.7**

**Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No.587/1, 586 in Painkulam Village, Thalappilly Taluk, Thrissur District for an area of 0.8132 Ha by Sri. Ramankutty**

**SIA/KL/MIN/172168/2020, 1815/EC6/2020/SEIAA (EC Proposal)  
&  
SIA/KL/MIN/44581/2019, 1463/EC2/2019/SEIAA (ToR Proposal)**

Sri. Ramankutty, Adiyampurath House, Killimanagalam P.O, Thrissur submitted application in SEIAA through PARIVESH on 28.10.2019 for Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 587/1 & 586 in Painkulam Village, Thalappilly Taluk, Thrissur District for an area of 0.8132 Ha.

The Authority noticed 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 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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 Mine 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 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.*
4. *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.*
5. *The 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.*
6. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
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. *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 government 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.*

- 9. 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.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.8**      **Environmental Clearance for Ordinary Earth Mining Project of Mr. Mathachan P.J, over an extent of 0.9692 Ha in Re-Sy Nos. 440/1-2, 440/12-2, 440/2-2-2-2, 440/2-2-2 of Aikaranadu North Village, Kunnathunad Taluk, Ernakulam District, Kerala (Proposal No. SIA/KL/MIN/179449/2020; File No. 1814/EC3/2020/SEIAA)**

Sri. Mathachan P.J, Parambathussery House Kuzhikkadav, Ambalamedu Ernakulam 682303 submitted an application on 17/10/2020 in SEIAA through PARIVESH for Environmental Clearance of Ordinary Earth Mining Project over an extent of 0.9692 Ha in Re-Sy Nos. 440/1-2, 440/12-2, 440/2-2-2-2, 440/2-2-2 of Aikaranadu North Village, Kunnathunad Taluk, Ernakulam District, Kerala.

Authority noticed 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 127<sup>th</sup> meeting recommend to issue 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 a project life of 1 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 permit order should be provided to the SEIAA before commencing the mining activity.*
- 3. The drainage along with silt traps and collection tanks should be desilted periodically to avoid obstruction of overland flow. Clarifiers should be provided*
- 4. The proponent should comply with Gazette Notification No. 9/2020 dated 04.01.2020.*
- 5. The proponent should submit a recent demand notice for the end-user before the issuance of EC.*
- 6. The approach road should be modified to facilitate 2-way traffic.*
- 7. Maximum extraction to be limited to 10m and 2m × 2m bench should be provided.*
- 8. 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.*

**Item No.9**

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

**SIA/KL/MIN/205474/2021, 1444/EC2/2019/SEIAA (EC Proposal)  
&  
SIA/KL/MIN/41118/2019, 1444/EC2/2019/SEIAA (ToR proposal)**

The 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 127<sup>th</sup> meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority also noted that the proposed site is falls within 10km from the nearest protected area and the proponent has not submitted the proof regarding the wildlife clearance application before the Standing Committee of National Board of Wildlife. In this context, the Authority decided to defer the proposal for want of proof of application for Wild Life Clearance submitted before National Board of Wild Life and inform the same to Project proponent.

**Item No.10**                      **Environmental Clearance for the proposed quarry project in Re-Sy No. 111/2-4 of Kodur Village, Perinthalmanna Taluk, Malappuram District, Kerala over an area of 0.3668 Ha by Mr. Moidu K (File No. 1348/EC2/2019/SEIAA, Proposal No. SIA/KL/MIN/264160/2022)**

Mr. Moidu K, Kurikkal, Mubaraq Mahal House, Manjeri Post, Malappuram District, Kerala, 676121 vide his application received in PARIVESH and the hard copy of the project received on 17/05/2019 sought Environmental Clearance under EIA Notification, 2006 for the Building Stone Quarry Project in Re-Sy No. 111/2-4 of Kodur Village, Perinthalmanna Taluk, Malappuram District, Kerala over an area of 0.3668 Ha.

Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for a mine life of 3 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 recommendations in the slope stability study should be complied with and reported in the HYCR.*
- 4. 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.*
- 5. A portion of the site includes a water logged pit which is currently being used for fish farming. The water quality should be maintained in compliance to pollution control norms.*
- 6. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*
- 7. 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.*
- 8. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area*

*and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

9. *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 proposed granite building stone quarry in Block No. 54, Re Sy Nos. 465/1, 465/2, 465/3, 468/6, 468/7 of Anangadi Village, Ottappalam Taluk, Palakkad District by M/s GrandTech Sand & Aggregates Pvt Ltd SIA/KL/MIN/264403/2022, 1369/EC1/2019/SEIAA**

Mr. Nadukkachira Abdul Kasim, Managing Director, M/s GrandTech Sand & Aggregates Pvt, Ananganadi, Pavukonam P.O., Ottappalam, Palakkad – 679522, vide an application received online and the hard copy of the project received on 13.06.2019, sought Environmental Clearance for the Granite Building Stone Quarry Project in Block No.54, Re-Sy Nos. 465/1, 465/2, 465/3, 468/6, 468/7 of Anangadi Village, Ottappalam Taluk, Palakkad District for an area of 3.6386 Ha.

Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC subject to the review by SEAC at the end of every five years.**

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. EC shall be reviewed after 5 years by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no damage to environment in the project region and there is no violation of any Act, Rules and Regulation applicable for quarrying.*
- 4. Mining should not be carried out between the BP7 and BP11 and a protection wall should be provided to the dumping site of overburden.*
- 5. Access Road of the required length should be developed.*
- 6. The existing vegetation in the proposed buffer should be retained and strengthened with more native plants, during the first year itself.*
- 7. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the remaining project life period.*
- 8. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*

- 9. 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.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. 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 in Re-Sy Nos. B1-138, 303/1 of Vellayoor Village, Nilambur Taluk, Malappuram District, Kerala over an area of 0.5594 Ha by Mr. Saleem Kunnummal (File No. 1382/EC2/2019/SEIAA Proposal No. SIA/KL/MIN/265362/2022)**

Sri. Saleem Kunnummal, S/o. Ali Akbar, Kunnummal House, Pulingattupuram, Amayoor (P.O) Malappuram- 679303, Kerala, vide an application received online and the hardcopy received on 29.07.2019, sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy Nos. B1-138, 303/1 of Vellayoor Village, Nilambur Taluk, Malappuram District, Kerala over an area of 0.5594 Ha.

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 125<sup>th</sup> meeting recommend to issue EC for the life of mine of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for a life of mine of 5 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.*
- 12. 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.*
- 3. the mine closure plan should be carried out within 6 months and submit the report. On receipt of the report, the SEAC shall verify the mine closure status.*
- 4. 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.*
- 5. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*

6. *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.*
7. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
8. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.13**

**Environment Clearance for the proposed Granite Building Stone quarry project in Survey No. 20 of Panakkad Village, Ernad Taluk, Malappuram District, Kerala by Mr. Kunnummal Ali Haji, (File No. 1290/EC2/2019/SEIAA, Proposal No. SIA/KL/MIN/ 265363/ 2022)**

Mr. Kunnummal Ali Haji, Kunnummal House, Iringalloor (PO) Malappuram vide an application received online and the hardcopy received on 03.05.2019, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy No. 20 of Panakkad Village, Ernad Taluk, Malappuram District, Kerala for an area of 0.8247 Ha.

Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. As the approach road is narrow and settlements are seen on either side of the road, only tippers of 3 Ton capacity should be permitted to transport the boulders. Consent from house owners at the valley side of the road should be obtained.*
- 4. 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 full.*
- 5. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*
- 6. 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.*

7. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
8. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*
9. *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.*

**Item No. 14**

**Application for Environmental Clearance for Granite building Stone Quarry in Survey No. 221 in Mundakkayam village, Kanjirapally Taluk, Kottayam District (Proposal No. SIA/KL/MIN/265597/2022; File: No. 2434/EC2 /2019/SEIAA)**

Shri. Shibin William Varghese, Shibin Villa, Vetticode P.O, Kattanam, Alleppey vide application received online and the hard copy of the project received on 12.07.19 has sought Environmental Clearance under EIA Notification, 2006 for the Building Granite Stone Quarry Project in Sy No. 221 at Mundakkayam Village, Kanjirapally Taluk, Kottayam District, Kerala, for an area of 0.9988 Ha.

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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. Relocate the top soil dump to lower elevation (on eastern side) with protective walls as per the revised map submitted.*
- 4. Reduce the depth of mining to 155m AMSL or 5 m BGL considering the need for maintaining slope stability and possibility of breach of pit. Accordingly the quantity of extraction proposed should be limited*
- 5. Compensatory afforestation should be done from the 1<sup>st</sup> year itself and the coordinates of the area with geotagged photos should be submitted with HYCR.*
- 6. 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.*
- 7. Measures for maintaining the slope stability should be implemented and it should be reported in the Half Yearly Compliance Report.*
- 8. 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 government 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.*

- 9. 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.*
- 10. 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.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.15**

**Application for Environmental Clearance for granite building stone quarry of Mrs. Thresiamma Thomas in Re-Sy No. 264/2 in Kanjirappally Village, Kanjirapally Taluk, Kottayam (Proposal No. SIA/KL/MIN/265633/2022; File: No. 2804/EC2/2019/SEIAA)**

Sri. Thresiamma Thomas, Anathanam House, Kanjirapally P.O, Kottayam vide application received online and the hard copy of the project received on 06/08/19 has sought Environmental Clearance under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Re-Sy No. 264/2 at Kanjirapally Village, Kanjirapally Taluk, Kottayam District, Kerala, for an area of 0.9997 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority also 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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. Top soil dump proposed in southern side of the project should be provided with protective wall.*
- 4. 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.*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
- 6. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*
- 7. 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.*

8. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.16**

**Application for Environmental Clearance for the proposed Granite Building Stone Quarry project in Re-Sy Nos. 368/1-2, 368/1-3, 368/2 & 369/1-1 (Block No. 24) of Vellilappally Village, Meenachil Taluk, Kottayam District, Kerala by Mr. Augustine Michael, Managing Partner, M/S Michael Granites (Proposal No. SIA/KL/MIN/265640/2022; File No. 1277/EC2/2019/SEIAA)**

Sri. Augustine Michael, Managing Partner, M/s Michael Granites, V/368, Michael Plaza Building, Ramapuram Bazar P.O., Kottayam-686 576, vide an application received online and the hardcopy received on 26.04.2019, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy Nos. 368/1-2, 368/1-3, 368/2 & 369/1-1 (Block No.24) of Vellilappally Village, Meenachil Taluk, Kottayam District, Kerala for an area of 1.6845Ha.

The Authority verified the item with the decisions of various SEAC meetings and the FIR of the Sub-Committee. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover 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. Blasting should be strictly in accordance with the approved Mine Plan and vibration due to blasting should be monitored for Peak Particle Velocity and maximum charge per delay and included in the Half Yearly Compliance Report.*
- 4. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Half Yearly Compliance Report*
- 5. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Half Yearly Compliance Report.*
- 6. The proponent should submit an affidavit within 1 month from the date of receipt of EC to the effect that the project area included in the present proposal does not fall within the quarry area of 9.9 Acres under mention in the judgment of the Hon'ble Munsiff Court dated 16.12.2016 in O.S.No.33/2015.*

7. *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.*
8. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*
9. *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.*
10. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
11. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.17**

**Application for Environmental Clearance of Granite Building Stone Quarry in Block No.23, Re-Sy Nos. 334, 345, 345/1 in Ramapuram Panchayath, Vellilappally village, Meenachil Taluk,**

**Kottayam District (Proposal No. SIA/KL/MIN/265720/2022; File No. 1354/EC2/2019/SEIAA)**

Sri. Jose Joseph, Vellimoozhiyil (H), Kottayam vide his application received online and the hard copy received on 25/05/2019 has sought Environmental Clearance under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Block No.23, Re-Sy Nos. 334, 345, 345/1 at Vellilappally village, Meenachil Taluk, Kottayam District, Kerala, for an area of 0.9805 Ha.

The Authority 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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos shall be submitted with HYCR.*
- 6. Garland canal and drainage channel should be maintained on a regular basis so as to ensure unobstructed discharge of overland flow.*

7. *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.*
8. *As per OM No F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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 government 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.*
9. *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.*
10. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
11. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No. 18**

**Application for Environmental Clearance for Granite Building Stone Quarry in Block No.20, Re Sy Nos. 184, 184/2 in Vallichira village, Meenachil Taluk, Kottayam District (Proposal No: SIA/KL/MIN/265726/2022; File No 1334 /EC2 /2019/SEIAA**



Sri S. Unnikrishnan, Siva Vilas, Vallichira P.O, Kottayam vide his application received online and the hard copy of the project received on 25.04.19 and has sought Environmental Clearance under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Block No. 20, Re-Sy Nos. 184, 184/2 at Vallichira Village, Meenachil Taluk, Kottayam District, Kerala, for an area of 0.8559 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. A water storage facility of at least 5 KLD should be established to meet the requirement of domestic needs of the workers as well as environmental management needs.*
- 4. The width of the approach road should be enhanced so as to accommodate 20 trips of truck with 10 MT capacity on a daily basis and other transportation needs of the local inhabitants. If it is difficult to enhance the width, transportation frequency should be reduced by 50%.*
- 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. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*
7. *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.*
8. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
9. *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 Proposed Granite Building Stone quarry project in Block No.11 Re-Sy Nos. 200/2, 201/2, 201/4, Kanakkari village, Meenachil taluk, Kottayam district, Kerala by Mr. Rajesh Mathew, Puthenpurrackal House, Pattithanam, Kottayam (Proposal No. SIA/KL/MIN/265729/2022; File No. 1380/EC2/2019/SEIAA)**

Mr. Rajesh Mathew, Puthenpurrackal House, Pattithanam, Kottayam vide his online application dated 25.05.2019, sought Environmental Clearance under EIA Notification, 2006 for the proposed Granite Stone Building Quarry Mining Project, Kottayam in Block No.11 Re-Sy Nos. 200/2, 201/2, 201/4 at Kanakkari Village, Meenachil Taluk, Kottayam District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 4 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. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
- 4. Stagnant water in the quarry is polluted and it should be cleaned and emptied from the quarry pit prior to commencement of quarrying. A report to this effect with geo-tagged photographs should be submitted in the first Half Yearly Compliance Report.*
- 5. Garland canal and drainage channel should be maintained on a regular basis so as to ensure unobstructed discharge of overland flow.*
- 6. 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.*

7. *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 government 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.*
8. *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.*
9. *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.*
10. *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.*
11. *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 mining project in Re-Sy Nos. 91/1, 91/1-1, 91/1-3, 93/3 Kanakkari village, Meenachil taluk, Kottayam district, Kerala by Mrs. Jubi Stiji, Pannamakal House, Kalathoor, Kanakkari, Kottayam. (Proposal No. SIA/KL/MIN/265731/2022; File no: 1345/EC2/2019/SEIAA)**

Sri. Jubi Stiji, Pannamakal House, Kalathoor, Kanakkari, Kottayam vide online application dated 12.04.2019 sought Environmental Clearance under EIA Notification, 2006 for the proposed Granite Stone Building Quarry Mining project, Kottayam in Re-Sy Nos. 91/1,91/1-1,91/1-3,93/3 at Kanakkari villages, Meenachil Taluk, Kottayam District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 3 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. Proponent should take adequate care to prevent breaching of impounded water.*
- 4. 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.*
- 5. Vibration due to blasting should be monitored for Peak Particle Velocity and maximum charge per delay and included in the Half Yearly Compliance Report.*

6. *Compensatory afforestation plan should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
7. *As per OM No F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*
8. *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.*
9. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
10. *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.*

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

**Item No. 21**                      **Application for Environmental Clearance for the proposed Quarry Project in Re-Sy Nos. 80/3, 80/3, 80/5A, 80/1A2, 80/1A2, 80/1A3, 80/1A1, 80/1A2 of Palakkuzha Village, Muvattupuzha Taluk, Ernakulam District, by Shri. A. J. Babu (Proposal No. SIA/KL/MIN/265967/2022; File No. 1317/EC2/2019/SEIAA)**

Shri. A. J. Babu, Arickappillil House, Karimpana P.O., Koothattulam, Ernakulam District, Kerala, vide an application received online and the hardcopy received on 10.04.2019 has sought EC under EIA Notification, 2006 for the quarry project in Re-Sy Nos. 80/3, 80/3, 80/5A, 80/1A2, 80/1A2, 80/1A3, 80/1A1, 80/1A2 of Palakkuzha Village, Muvattupuzha Taluk, Ernakulam District Kerala State for an area of 0.8110 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for the project life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue EC for a project life of 4 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 triparty agreement submitted by the proponent regarding the time of blasting and operation of crusher should be strictly complied with so as to avoid the amplification of the seismic waveform due to ground vibration due to simultaneous blasting from the adjacent quarries and crusher operations.*

4. *Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
5. *A green belt should be developed around the Anganwadi with the consent of the owner of the property.*
6. *The garland canal and drainage channel should be maintained on a regular basis so as to ensure unobstructed discharge of overland flow.*
7. *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.*
8. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*
9. *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.*
10. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*



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

**Item No. 22**                      **Application for Environmental Clearance for Granite Building Stone Quarry in Re-Sy Nos 242/3, 242/4 of Uzhavoor & 245/2, 245/3 of Monipally Villages in Meenachil Taluk, Kottayam District (Proposal No. SIA/KL/MIN/266217/2022; File No.1307/EC2/2019/SEIAA)**

Sri. Raju Cyriac, Kuzhikattil House, Vayal P.O, Kottayam vide an application received online and hard copy of the project received on 10.05.19 for EC under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Re-Sy Nos. 242/3, 242/4 of Uzhavoor and 245/2, 245/3 of Monipally Villages in Meenachil Taluk, Kottayam District, Kerala, for an area of 1.7921 Ha.

The Authority verified the item with the decisions of various SEAC meetings and the FIR of the Sub-Committee. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover 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. 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. EC shall be reviewed after 5 years by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no damage to environment in the project region and there is no violation of any Act, Rules and Regulation applicable for quarrying.*
- 4. An observation well should be drilled for monitoring the Ground water level and the report should be submitted along with HYCR.*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
- 6. Overland flow should not lead to erosion of the top soil dump and therefore, protective measures including channelling of the overland flow outside the boundary of the dump site.*
- 7. 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.*
- 8. 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 government 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.*
- 9. 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.*

10. 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.

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

**Item No.23.**                      **Environmental Clearance for the proposed Building Stone Quarry project in Re-Sy No. 98/1 in Raroth Village, Thamarassery Taluk, Kozhikode District, Kerala State.by Mr. Haris C (File No. 1285/EC2/2019/SEIAA, SIA/KL/MIN/267003/2022)**

Mr. Haris C, Cheepilangode House, Velimanna P.O, Kozhikode 673573 Kerala, vide an application received online and the hardcopy received on 09.05.2019 sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy No. 98/1 in Raroth Village, Thamarassery Taluk, Kozhikode District, Kerala for an area of 0.5605 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. Quarrying should commence only after developing the road fully.*
- 4. The rock boulders which are dangerously poised on top of the proposed mine site should be removed prior to the commencement of mining activity.*
- 5. Development of green belt should commence prior to the commencement of mining activity.*
- 6. Mining of the lowest bench, 105-100m should not be done considering hydrogeological aspect.*
- 7. Provide adequate protection for the storage area proposed for overburden and mine waste prior to the commencement of mining activity to prevent the possibility of erosion of soil stored.*
- 8. Eco-restoration should be done with an exclusive detailed species recovery plan for the Queen Sago (Cycas circinalis), an endangered palm species. Nursery should be raised for both male and female forms of the species and re-introduction should be carried out in partnership with the local community or other interested parties like forest department, local schools or colleges within the 10 KM area and the surrounding homesteads.*
- 9. The choice of species for restoration and green belting should include three tree species - Terminalia bellirica, Terminalia chebula and Terminalia arjuna as these are the species that can bring back other associated biodiversity to this mining site and its surroundings.*
- 10. 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.*
- 11. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 14. 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 proposed Building Stone Quarry project in, Re-Sy Nos. 1619/1, 1621/1 in Kanthaladu Village, Thamarassery Taluk, Kozhikode District, Kerala, by Mr. Haridasan T.H, (File No.1264/EC1/2019/ SEIAA, SIA/KL/MIN/268917/2022)**

Mr. Haridasan T.H, Tharol House, Ekarol PO, Kanthaladu Village, Kozhikode District vide an application received online and the hardcopy received on 06.03.2019, sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy Nos. 1619/1, 1621/1, in Kanthaladu Village, Thamarassery Taluk, Kozhikode District, Kerala for an area of 3.0040 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover 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. Adequate measures should be taken to ensure slope stability in the steep side slope areas.*
- 4. OB dumping location should be in the lower elevation as per the map submitted by the Proponent*
- 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. *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 government 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.*
7. *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.*
8. *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.*
9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.25**

**Application for Environmental Clearance for Building Stone Quarry in Re-Sy Nos. 34/3-2, 34/10, 34/9, 35/1-2, 31/1-2, 31/1-3, 31/1-4, 45/2, 45/7, 45/8-2, 46/1-2, 34/8, 34/12, 44/2-3, 46/3, 45/5, 45/6, 34/3, 44/4 and 44/5, 34/2 in Mancode Village, Kottarakkara Taluk, Kollam District (SIA/KL/MIN/269106/2022 File.No.2543/EC2/2019/ SEIAA**

Sri Manafudeen S, M/s Al-Fathima Crusher India Pvt. Ltd vide his application received online and the hard copy of the project received on 20/07/2019 and has sought Environmental Clearance under EIA Notification, 2006 for the building stone quarry project in Re-Sy Nos. 34/3-2, 34/10, 34/9, 35/1-2, 31/1-2, 31/1-3, 31/1-4, 45/2, 45/7, 45/8-2, 46/1-2, 34/8, 34/12, 44/2-3, 46/3, 45/5, 45/6, 34/3, 44/4 (Private owned land) of 3.3134 Ha and 44/5, 34/2 (Government Land) of 1.4834Ha at Mancode Village, Kottarakara Taluk, Kollam District, Kerala, for an area of 4.7968Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 125<sup>th</sup> meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover 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 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.*



12. *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.*
3. *the mine closure plan should be carried out within 6 months and submit the report. On receipt of the report, the SEAC shall verify the mine closure status.*
4. *The water quality monitoring report and co-ordinates of the open wells are to be submitted along with Half Yearly Compliance Report (HYCR).*
5. *The boundary pillars of the quarry should have a setback of 2.5 m from nearby KSEB LT power line.*
6. *Compensatory afforestation should be done from the 1<sup>st</sup> year itself and the coordinates of the area with geotagged photos shall be submitted in HYCR.*
7. *The traffic plan submitted by the proponent should be strictly complied with.*
8. *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.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

## **PART – 2**

### **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**Item No.1.**                      **Environmental Clearance for Granite Building Stone Quarry of Mr. Haridasan T, for an extent of 0.9896 Ha , Survey No 315 in Nagalassery Village, Pattambi Taluk, Palakkad District, Kerala SIA/KL/MIN/129777/2019 , 1561/EC1/2019/SEIAA**

Shri. Haridasan T. 37/817E Krishna Garden Krishnan Nair Road, Vengeri Karuvissery P.O Kozhikkode District, submitted an application for Environmental Clearance through PARIVESH on 13.12.2019 for the Granite Building Stone Quarry of Mr. Haridasan T, for an extent of 0.9896 Ha in Survey no 315, Nagalassery Village, Pattambi Taluk, Palakkad District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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 Proponent should submit an affidavit stating that the drainage channel will be connected to the nearest natural drain prior to the commencement of mining.*

4. *The soil dump with proper gabion wall should be provided to avoid soil erosion.*
5. *The compensatory afforestation should be done with fruit trees and the geo-coordinates of the place with photographs should be provided along with HYCR.*
6. *Mining should be limited to 5 m below ground level to ensure uninterrupted seasonal drainage.*
7. *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.*
8. *The drainage channel, silt traps and settling pond should be desilted periodically to ensure uninterrupted overland flow.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the*

*land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*12. 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 building stone quarry of Mr. P. P. Varghese, Proprietor, M/s Kallen Metals at Re-Sy No. 487/1-3B, 487/1-2-3 of Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an area of 0.9981 Ha (Proposal No. SIA/KL/MIN/130104/2019; File: No. 1638/EC3/2020/SEIAA)**

Sri. P. P. Varghese, Proprietor, M/s Kallen Metals submitted an application for Environmental Clearance through PARIVESH for the Building Stone Quarry in Re-Sy Nos. 487/1-3B, 487/1-2-3 at Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an area of 0.9981 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. *Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
4. *Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
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. *The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.*
7. *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. *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.*
9. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

**Item No.3**

**Granite Building Stone Quarry of M/s Friends Granites & Crushers at Re-Sy Nos. 109/1, 109/2, 109/4, 109/7, 109/8, 109/3/2, 110/1, 110/6/1, 110/6/2, 110/7, 110/8/1, 110/9, 110/10, 110/11, 110/15, 110/16, 110/17 of Vythiri Village, Thrikkaipetta Taluk, Wayanad District for an extent of 4.6308 Ha SIA/KL/MIN/130112/2019, 1628/EC2/2020/SEIAA**

Mr. Kassim Puthanpurayil, Managing Partner, M/s Friends Granites & Crushers, Kambalakkad (PO), Kalpetta, Wayanad sought Environmental Clearance through PARIVESH on 14.05.2020 for the proposed Granite Building Stone Quarry in Re-Sy Nos. 109/1, 109/2, 109/4, 109/7, 109/8, 109/3/2, 110/1, 110/6/1, 110/6/2, 110/7, 110/8/1, 110/9, 110/10, 110/11, 110/15, 110/16, 110/17 of Vythiri Village, Thrikkaipetta Taluk, Wayanad District.

The Authority noted the action taken by SEAC in its 115<sup>th</sup>, 119<sup>th</sup>, 126<sup>th</sup> meetings of SEAC held on different dates and noted the contents of the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting rejected the proposal quoting certain reasons.

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

- a. *The proposed site is located on the eastern side slopes of Manikkunnu Mala, a residual hill of length about 6km and width about 5km. With its highest peak at 1450m AMSL, it influences the climatic system and weather pattern of the region.*
- b. *Manikunnu Mala is a rugged mountainous landscape and an ecologically fragile mountain system, often called 'rock haven' is an "ecological island" surrounded with densely populated human habitations and agriculture land uses.*
- c. *Manikunnu Mala exhibits the ecological significance of Wayanad, a strategically set landscape in the confluence of three biologically diverse regions - the Western Ghats mountains, the Nilgiri hills and the Deccan plateau. This ecological confluence has made Wayanad as the most significant and ecologically fragile landscape of the Nilgiri Biosphere Reserve.*
- d. *'Nalukettum Chola', one of the peaks in this mountain strongly influences the hydrological aspects of the region. Several small streams and minor swamps dotted over this mountain supply water for agriculture, mainly rice cultivation in the valley as well as alongside the streams in the far away locations. It falls in the catchment of Karappara Reservoir, about 2.5 km from the proposed site.*
- e. *The foothills are characterized by relatively high population density. The hill is also characterized by the settlements of Paniya tribe who are traditionally the labour force for rice cultivation in the valley of Manikunnu mala.*
- f. *The forest here is mainly the west coast semi-evergreen type with a heterogeneous mixture of species that are common in evergreen and moist deciduous forests.*
- g. *The mountain is a rich repository of flora and fauna as reported with occurrence of many rare, endemic and threatened (RET) species. It is reported that the MS Swaminathan Research Foundation has recorded over 50 RET plant species from here. This mountain is the breeding habit for 167 birds, which include schedule I species of rare raptors such as Jerdon's Baza, Black Eagle and Crested Serpent Eagle. The thermal variations in the rocky surfaces makes conducive for flight of the raptors.*



- h. *Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- i. *At present, there are three proposals located on the north eastern side of the Manikkunnu mala for mining of building stones under consideration of SEIAA for environmental clearance. All these fall in the immediate catchment of Karappara reservoir. This proposal having an area of 4.6308 Ha along with another proposal under consideration for a cluster of 8.5278 Ha. The third proposal is about 1.6km away and three proposal together have a cumulative area of 13.2201 Ha.*
- j. *The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects to this “rock heaven”. This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural resources. Scientifically, it should not be a priority location for mining considering the ecological significance, landslide susceptibility, contiguity to the Nilgiri Biosphere Reserve, habitations in the foothill etc.*
- k. *As a UNESCO- World Heritage Site and residual hill in the plateau region influencing the micro-climatic aspects of the region, it cannot be a priority location for mining.*

**Item No.4**

**Environmental Clearance for Granite Building Stone Quarry project in Sy Nos. 666, 674, 674/p, 675, 675/p in Perumpilavu Village, Kunnankulam Taluk, Thrissur District for an area of 0.9945 Ha by Sri. K. V. Thaj (Proposal No. SIA/KL/MIN/130246/2019 File No. 1582/EC2/2019/ SEIAA)**

Sri. K. V. Thaj, Kodavamparambil House, Perumpilavu P.O, Karikkad, Thrissur – 680 519 submitted an application in SEIAA through PARIVESH on 31.12.2019 for Environmental Clearance for the Granite Building Stone Quarry in Sy Nos. 666, 674, 674/p, 675, 675/p in Perumpilavu Village, Kunnankulam Taluk, Thrissur District for an area of 0.9945 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. 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.*
- 5. Mining should be done as per the revised mining plan submitted by the proponent as directed by SEAC.*
- 6. All the built-up structures within a distance of 50 m from the proposed area should be demolished prior to the commencement of mining.*

7. *Vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
8. *Garland drains and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the obstructions and deposited silt.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
12. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.5**

**Granite Building Stone Quarry of M/s. Krishnagiri Stone Crusher over an extent of 3.8970 Ha (9.6290 Acres) at Re-Sy Nos. 344/4, 399/2, 402/1, 402/4 & 402/5, Muttill South Village, Vythiri Taluk, Wayanad District, Kerala State (Proposal No. SIA/KL/MIN/130461/2019, File No. 1311/EC1/SEIAA/2017)**

Mr. T.V Alias, Managing Partner, Krishnagiri Stone Crusher, Krishnagiri. P. O, Meenangadi, Wayanad, Kerala– 673 591 sought Environmental Clearance for the proposed for Granite Building Stone Quarry in Re-Sy Nos. 344/4, 399/2, 402/1, 402/4 & 402/5, Muttill South Village, Vythiri Taluk, Wayanad District, Kerala, and the application was received on 30.12.2019.

The Authority noted the action taken by SEAC in its 115<sup>th</sup>, 118<sup>th</sup>, 126<sup>th</sup> meetings of SEAC held on different dates and noted the contents of the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting rejected the proposal quoting certain reasons.

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

- a. There is a complaint against issuance of environmental clearance to the quarry quoting inadequate distance to houses and other public facilities as well as ecological impacts. The complaints are substantiated with the report of District Forest Officer, Proceedings of the District Collector and report of the Additional Principal Chief Conservator of Forests and various press reports.*
- b. The District Forest Officer, South Wayanad Division vide his report dated 19.11.2014 submitted to the District Collector, Wayanad recommended not to allow quarrying or such other activities in the proposed area due to possible security threat to local population including tribal families, possible destruction of forests and habitats, possibility of biodiversity destruction, soil erosion, landslides, rock slips, damage to natural drainage systems, groundwater depletion, habitat destruction of wildlife, air, water and noise pollution etc.*
- c. The District Collector, Wayanad vide his Proceedings No. 1/2014/28027/12 dated 24.12.2016 rejected the application for LE-3 license for the quarry operated in the*

*proposed site based on the report of Dy Collector (LR) and the District Police Chief and site visit conducted by him.*

- d. Based on the complaints of the local residents of Mandad Mundupara, the District Forest Officer, South Wayanad Division conducted an enquiry through the Range Forest Officer, Meppadi and requested the District Collector vide letter dated 9.2.2018 to take action against commencement of quarry in the proposed site, reiterating his recommendations of the report dated 19.11.2014.*
- e. The Additional Principal Chief Conservator of Forests, North Region, Kozhikkode vide his letter dated 5.11.2018 requested the District Collector, Wayanad to take immediate action to prevent setting up of the proposed quarry in the Mandad-Mundupara quoting threat to the forest wildlife and human habitations.*
- f. The proposed site is located on the eastern side slopes of Manikkunnu Mala, a residual hill of length about 6km and width about 5km. With its highest peak at 1450m AMSL, it influence the climatic system and weather pattern of the region.*
- g. Manikunnu Mala is a rugged mountainous landscape and an ecologically fragile mountain system, often called ‘rock haven’ is an “ecological island” surrounded with densely populated human habitations and agriculture land uses.*
- h. Manikunnu Mala exhibits the ecological significance of Wayanad, a strategically set landscape in the confluence of three biologically diverse regions - the Western Ghats mountains, the Nilgiri hills and the Deccan plateau. This ecological confluence has made Wayanad as the most significant and ecologically fragile landscape of the Nilgiri Biosphere Reserve.*
- i. ‘Nalukettum chola’, one of the peaks in this mountain strongly influences the hydrological aspects of the region. Several small streams and minor swamps dotted over this mountain supply water for agriculture, mainly rice cultivation in the valley as well as alongside the streams in the faraway locations. It falls in the catchment of Karappara reservoir, about 3km from the proposed site.*
- j. The foothills are characterized by relatively high population density. The hill is also characterized by the settlements of Paniya tribe who are traditionally the labour force for rice cultivation in the valley of Manikunnu mala.*

- k. *The forest here is mainly the west coast semi-evergreen type with a heterogeneous mixture of species that are common in evergreen and moist deciduous forests.*
- l. *The mountain is a rich repository of flora and fauna as reported with occurrence of many rare, endemic and threatened (RET) species. It is reported that the MS Swaminathan Research Foundation has recorded over 50 RET plant species from here. This mountain is the breeding habit for 167 birds, which include schedule I species of rare raptors such as Jerdon's Baza, Black Eagle and Crested Serpent Eagle. The thermal variations in the rocky surfaces makes conducive for flight of the raptors.*
- m. *Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- n. *At present, there are three proposals located on the northeastern side of the Manikkunnu mala for mining of building stones under consideration of SEIAA for environmental clearance. All these fall in the immediate catchment of Karappara reservoir. This proposal having an area of 3.8970 Ha along with another proposal under consideration form a cluster of 8.5278 Ha. The third proposal is about 1.6km away and three proposal together have a cumulative area of 13.2201 Ha.*
- o. *Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- p. *The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects to this "rock heaven". This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural resources. Scientifically, it should not be a priority location for mining considering the ecological significance, landslide susceptibility, contiguity to the Nilgiri Biosphere Reserve, habitations in the foothill etc.*
- q. *As a UNESCO- World Heritage Site and residual hill in the plateau region influencing the micro-climatic aspects of the region, it cannot be a priority location for mining.*

**Item No.6**

**Environmental Clearance for the proposed removal of Ordinary Earth in Survey Nos. 136/66, 67, 68 of Sasthamkotta Village, Kunnathur Taluk, Kollam District, Kerala for an extent of 0.1289 SIA/KL/MIN/130694/2019, 1566/EC4/2019/SEIAA**

Smt. Rabina, Palace, Manakkara, Sasthamkotta P.O, Kollam, Kerala – 690 521 sought an Environmental Clearance for the proposed removal of Ordinary Earth in Survey Nos. 136/66, 67, 68 of Sasthamkotta Village, Kunnathur Taluk, Kollam District, Kerala for an extent of 0.1289 Ha under B2 Category on 18.12.2019.

The Authority noted that after the due appraisal the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 6 months from the date of issue of permit from the Department of Mining & Geology for the removal 500 m<sup>3</sup> of ordinary earth subject to the General Conditions.

**The Authority decided to issue Environmental Clearance for a period of 6 months for the quantity of 500 m<sup>3</sup> 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 from the Department of Mining and Geology. The copy of the lease/permit order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavated soil shall not be used for filling the paddy fields or wetlands.*

**Item No.7**

**Environmental Clearance for the Building Stone Quarry of Mr. P. P. Varghese, Proprietor, M/s Kallen Metals at Survey No. 487/1-3B part of Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an Area of 0.9987 hectares. (Proposal No. SIA/KL/MIN/133818/2019; File: No. 1644/EC3/2020/SEIAA)**

Sri. P. P. Varghese, Proprietor, M/s Kallen Metals submitted an application for Environmental Clearance through PARIVESH for the Building Stone Quarry in Re-Sy Nos. 487/1-3B part of Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an area of 0.9987 hectares.

Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue EC for a project life of 5 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. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 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. The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.*



7. *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. *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.*
9. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

**Item No.8**                      **Building Stone Quarry of Shri. Narayanan K. for an area of 0.9748 hectares at Re-Sy No. 331/2(pt), 332pt of Beemanady Village, Vellarkund Taluk, Kasaragod District, Kerala (SIA/KL/MIN/134011/2019, 1629/EC2/2020/SEIAA)**

Sri. Narayanan. K, Kandamkol House, P.O Mathamangalam, Kannur sought an Environmental Clearance for the proposed Granite Building Stone Quarry Project in Re-Sy Nos. 331/2pt, 332/pt Beemanadi Village, Vellarikund Taluk, Kasaragod District, Kerala on 13.05.2020.

Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*

- 4. 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.*
- 5. The 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.*
- 6. The garland drain and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions if any.*
- 7. Retaining wall should be provided for the dumping site to a height of about 2m.*
- 8. The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
- 9. Compensatory afforestation for the trees to be removed from the proposed site should commence in the first year along with the mining operations.*
- 10. The green-belt development should initiate prior to the commencement of quarry operations by ensuring planting of only the locally preferred and traditionally conserved mixed wild and agroforestry species.*
- 11. Among the species for restoration, the plant species like Wrightia tinctoria, Ficus spp., Terminalia bellirica, Mangifera indica, Pterocarpus marsupium, Artocarpus hirsutus, Pongamia pinnata, Macranga peltata, Trema orientalis, Kanankai tree (Cycas circinalis) should be included.*
- 12. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

**Item No.9**

**Building Stone Quarry of M/s NAT Industries, at Block No: 39, Re Sy Nos: 178/8, 173/4-5, 173/4-6, 173/4-25, 173/4-30, 173/4-1, Chadayamangalam Village, Kottarakkara, Kollam, Kerala for an extent of 1.8109 Ha under B2 Category (SIA/KL/MIN/134188/2019, 1581/EC2/2019/SEIAA),**

Mr. Thajudheen H. M., Managing Partner, M/s NAT Industries. Pallickal House Parambuvila Lane, Ulloor, Medical College P.O, Thiruvananthapuram - 695011 submitted an application for Environmental Clearance on 14.05.2020 for Building Stone Quarry at Block No: 39, Re Sy Nos: 178/8, 173/4-5, 173/4-6, 173/4-25, 173/4-30, 173/4-1 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District.

Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in

its 127<sup>th</sup> meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 8 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 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. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
- 4. 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.*
- 5. The approach road should be maintained with a width of 8m in accordance with the affidavit submitted.*
- 6. 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.*

7. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
8. *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).*
9. *Green belt development should commence during the first year itself prior to the commencement of mining.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

Authority also decided not to hear the complainant and the proponent as the SEAC has already examined the matter and forward the complaint to the District Collector for necessary follow up action and to the District Geologist for an enquiry.

**Item No.10**

**Environmental Clearance for Granite Building Stone Quarry of Mr. R. Sudharman over an extent of 1.4561 Ha in Re-Sy Nos. 504/1, 504/2, 504/3 in Mallappally Village, Mallappally Taluk, Pathanamthitta District, Kerala- Judgement dated 03.02.2022 in WP(C) No. 27842 of 2021 SIA/KL/MIN/134626/2020, 1610/EC1/2020/SEIAA**

Mr. R. Sudharman, S/o Raghavan, Puthen Vila Veedu, Kattayil, Odanadavattom P.O., Kollam 691512, submitted an application for Environmental Clearance through PARIVESH for the Granite Building Stone Quarry in Re-Sy. 504/1, 504/2, 504/3 in Mallappally Village, Mallappally Taluk, Pathanamthitta District, Kerala over an extent of 1.4561 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 9 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover 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 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. EC shall be reviewed after 5 years by conducting a field inspection by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no damage to environment in the project region and there is no violation of any Act, Rules and Regulation applicable for quarrying.*
- 4. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the mine closure plan should be carried out within 6 months and submit the report. On receipt of the report, the SEAC shall verify the mine closure status.*
- 5. 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.*
- 6. The impact of vibration due to blasting should be monitored in terms of Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
- 7. The traffic plan submitted by the proponent should be adhere to strictly.*
- 8. Green belt planting should commence from the first year of the project itself and continue till the mine closure plan is implemented fully.*
- 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. 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.*
- 12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No: 11**

**Environmental Clearance for the Granite Building Stone Quarry project in Re-Sy Nos. 304 part (Govt. Land) Parathodu Village, Block No. 49 of Udumbanchola Taluk, Idukki District, Kerala for an extent of 3.000 Ha by Sri. Binu George (Proposal No. SIA/KL/MIN/134803/2020; File No. 1656/EC3/2020/SEIAA)**

Sri. Binu George, Naduvathuchira House, Parathodu, Combayar P.O, Idukki District, Kerala State 685 552 submitted an application for Environmental Clearance on 03/01/2020 through PARIVESH for the Granite Building Stone Quarry Project in Re-Sy Nos. 304 part (Govt. Land) Parathodu Village, Block No. 49 of Udumbanchola Taluk, Idukki District, Kerala for an extent of 3.0000 Hectares.

The Authority noted the action taken by SEAC in its 115<sup>th</sup>, 117<sup>th</sup>, 120<sup>th</sup>, 123<sup>rd</sup>, 124<sup>th</sup> and 126<sup>th</sup> meetings of SEAC held on different dates and the contents of the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting rejected the proposal quoting the reason that the project is in an ESA Village and mining is prohibited as per existing norms.

**The Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the above reason for rejection.**

**Item No.12                      Environmental Clearance for Laterite Building Stone Quarry of Mr. Velayudhan in Re-Sy No 424/2 in Paruthur Village, Pattambi Taluk, Palakkad District, Kerala SIA/KL/MIN/136253/2020, 1603/EC4/2020/SEIAA**

Sri. Velayudhan N, Nalledath, Pazhanellippuram, Chembra P.O, Thiruvengapura, Palakkad 679304 submitted an application through PARIVESH on 11.05.2020 for the Laterite Building Stone Quarry in Re-Sy No 424/2, in Paruthur Village, Pattambi Taluk, Palakkad District, Kerala, over an extent of 0.0559 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 1 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for a project life of 1 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. *Mining should be limited only up to a depth of 6m with one bench of 1.0 m and three benches of 1.5 m.*
4. *The proponent should ensure adequate drainage facility.*
5. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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.*
6. *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.*
7. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.13**

**Granite Building Stone Quarry of M/s. Kalpetta Rocks Private Limited” over an extent of 4.6923 Ha (11.5946 Acres) in Block No. 29, Re-Sy Nos. 50/2, 50/3, 50/4, 50/5, 678/67, 678/69, 678/70, 678/74, 678/163, Thrikkaipetta Village, Vythiri Taluk, Wayanad District, Kerala (SIA/KL/MIN/140072/2020, 1631/EC2/2020/SEIAA**

Sri. Shamsudheen M. A, Director, M/s. Kalpetta Rocks Pvt. Limited, Chathuppil Peedikayil House, Chittar (PO), Ranny, Pathanamthitta District, Kerala – 689 663 sought an Environmental Clearance for the proposed Granite Building Stone Quarry in Block No. 29, Re-Sy Nos. 50/2, 50/3, 50/4, 50/5, 678/67, 678/69, 678/70, 678/74, 678/163 in Thrikkaipetta Village, Vythiri Taluk, Wayanad District, Kerala on 02.04.2020.

The Authority noted the action taken by SEAC in its 115<sup>th</sup>, 117<sup>th</sup>, 119<sup>th</sup>, 126<sup>th</sup> meetings of SEAC held on different dates and the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting rejected the proposal quoting certain reasons.

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

- a. *The site is located on the eastern side slopes of Manikkunnu mala, a landslide risk zone with 107m from a medium hazard zone which is in continuation of a high hazard zone at 310m.*
- b. *Manikkunnu Mala, a residual hill of length about 6km and width about 5km and with its highest peak at 1450m AMSL, influences the climatic system and weather pattern of the region.*
- c. *Manikunnu Mala is a rugged mountainous landscape and an ecologically fragile mountain system, often called ‘rock haven’ is an “ecological island” surrounded with densely populated human habitations and agriculture land uses.*
- d. *Manikunnu Mala exhibits the ecological significance of Wayanad, a strategically set landscape in the confluence of three biologically diverse regions - the Western Ghats mountains, the Nilgiri hills and the Deccan plateau. This ecological confluence has made Wayanad as the most significant and ecologically fragile landscape of the Nilgiri Biosphere Reserve.*
- e. *‘Nalukettumchola’, one of the peaks in this mountain strongly influences the hydrological aspects of the region. Several small streams and minor swamps dotted over this mountain supply water for agriculture, mainly rice cultivation in the valley*

*as well as alongside the streams in the faraway locations. It falls in the catchment of Karappara reservoir, about 2.5km from the proposed site.*

- f. The foothills are characterized by relatively high population density. The hill is also characterized by the settlements of Paniya tribe who are traditionally the labour force for rice cultivation in the valley of Manikkunnu mala.*
- g. The forest type here is mainly the west coast semi-evergreen type with a heterogeneous mixture of species that are common in evergreen and moist deciduous forests.*
- h. The mountain is a rich repository of flora and fauna as reported with occurrence of many rare, endemic and threatened (RET) species. It is reported that the MS Swaminathan Research Foundation recorded over 50 RET plant species from here. This mountain is the breeding habit for 167 birds, which include schedule I species of rare raptors such as Jerdon's Baza, Black Eagle and Crested Serpent Eagle. The thermal variations in the rocky surfaces makes conducive for flight of the raptors.*
- i. Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- j. At present, there are three proposals for mining of granite stones under consideration of SEIAA for environmental clearance. All these are located on Manikkunnu mala and fall in the immediate catchment of Karappara reservoir. This proposal having an area of 4.6923 Ha is located at a distance of 1.6km from the other two and the three proposal jointly have an area of 13.2201 Ha.*
- k. The site is located on a landslide hazard zone (within just 100-350 m range of both high hazard and moderate hazard zones) and a fragile landscape of significant ecological importance. The site also falls on the catchment of Karappara reservoir, located at a distance of about 2.5km.*
- l. The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects to this "rock heaven". This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural*

*resources. Scientifically, it should not be a priority location for mining considering the ecological significance, landslide susceptibility, contiguity to the Nilgiri Biosphere Reserve, habitations in the foothill etc.*

- m. *As a UNESCO- World Heritage Site and residual hill in the plateau region influencing the micro-climatic aspects of the region, it cannot be priority location for mining.*

**Item No.14**

**Environmental Clearance for Granite Building Stone of Mr. Sasidharan G over an extent of 2.8540 Ha at Re Sy Nos. 434/3, 4, 5, 7, 8, 9, 10, 12, 16, 17, 19, 20, 21, 22, 22-1, 23, 24, 27, 29, 436/2-1, 2-2, 2-3, 5 of Perumpazhuthoor Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala (SIA/KL/MIN/145849/2020, 1612/EC1/2020/SEIAA)**

Sri. Sasidharan G. S/o Govindan Nadar, Thachamvilakathu Veedu, Perumpazhuthoor P.O, Neyyattinkara, Thiruvananthapuram District - 695126 submitted an application via PARIVESH on 22.04.2020 for Granite Building Stone over an extent of 2.8540 Ha at Re Sy No 434/3, 4, 5, 7, 8, 9, 10, 12, 16, 17, 19, 20, 21, 22, 22-1, 23, 24, 27, 29, 436/2-1, 2-2, 2-3, 5 of Perumpazhuthoor Village, Neyyattinkara Taluk, Thiruvananthapuram 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 11 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 11 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 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 impact of vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
4. *Compensatory afforestation plan should be commenced before the commencement of mining and the geo-coordinates of the area should be provided along with HYCR.*
5. *The mining should be limited to 55m above MSL.*
6. *The magazine shed should be shifted away from the quarry area as per distance criteria.*
7. *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.*
8. *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.*

- 9. 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.*
- 10. 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.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.15**

**Building Stone Mine Quarry Project of Sri. Sukumaran E. in Block No. 3, Re-Sy Nos. 188/1, 188/2 of Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala (SIA/KL/MIN/146136/2020, 1630/EC2/2020/SEIAA)**

Sri. Sukumaran E., Errolkunnummal House, Mukkam P.O., Kozhikode District, Kerala, Kozhikode, Kerala 673602 sought Environmental Clearance for the proposed Granite Building Stone Quarry in Block No. 3, Re-Sy Nos. 188/1, 188/2 of Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala on 06.04.2020.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due



appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the Clearance from the National Board for Wildlife and 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 at a distance of 8.5 km from the Wayanad 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.*
- 16. 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.*

5. *Gabion protection should be provided for the OB dumping site to a height of about 1.5m.*
6. *Garland drains and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions, if any.*
7. *Transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
8. *The impact of vibration should be monitored in terms of peak particle velocity and amplitude and the details should be included the HYCR*
9. *Compensatory afforestation for the trees to be removed from the proposed site should commence in the first year along with the mining operations and the geocoordinates of the area should be provided along with HYCR.*
10. *The green-belt development should initiate before the commencement of quarry operations by ensuring the planting of only the locally preferred and traditionally conserved mixed wild and agroforestry species.*
11. *As the site has predominant agriculture-field characteristics and the Pulpally region shows a revival of pepper cultivation, the choice of species for restoration should include the traditionally preferred support trees (spineless coral tree, champak tree etc) for pepper farming.*
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.*
16. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Thiruvananthapuram and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*

**Item No.16**

**Building Stone Quarry of Mr. Mehamood M. A. in Re-Sy Nos. 51/1A, 51/1C in Badoor Village, Manjeshwaram Taluk, Kasaragod District, Kerala State for an extent of 0.6187 Ha (SIA/KL/MIN/147443/2020, 1633/EC2/2020/SEIAA)**

Mr. Mehamood. M.A., S/o Abdul Khader, Najma Manzil, Manya P.O, Ullodi, Kumbala, Kasaragod-671321 sought Environmental Clearance for the proposed for Granite Building Stone Quarry in Re-Sy Nos. 51/1A, 51/1C, Badoor Village, Manjeshwaram Taluk, Kasaragod District, Kerala State for an extent of 0.6187 Ha on 06.03.2020.

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 I, Pre-Feasibility Report, additional details/documents obtained from the

proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue EC for a project life of 5 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. Gabion protection should be provided for the OB dumping site to a height of about 1.5m.*
- 4. Garland drain and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions if any.*
- 5. Transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
- 6. Compensatory afforestation for the trees to be removed from the proposed site should commence in the first year along with the mining operations and the geocoordinates of the area should be provided along with HYCR.*
- 7. The green-belt development should be initiated before the commencement of quarry operations by ensuring the planting of only the locally preferred and traditionally conserved mixed wild and agroforestry species.*
- 8. Care should be taken to avoid the introduction of any invasive or aggressive/fast growing horticultural trees to keep the wild characteristics of the proposed site.*
- 9. The impact of vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*

10. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
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. 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 Granite Building Stone Quarry of M/s Seas Rock Products in Re-Sy No 426/3, 426/4, 426/5 at Neyyassery Village, Thodupuzha Taluk, Idukki District, Kerala State for an extent of 1.5163 Ha (SIA/KL/MIN/148361/2020; 1641/EC3/2020/SEIAA)**

Sri. Anshad E.P, M/s Seas Rock Products submitted an application via PARIVESH on 13/03/2020 for Granite Building Stone Quarry project in Re-Sy No 426/3, 426/4, 426/5 at Neyyassery Village, Thodupuzha Taluk, Idukki District, Kerala, for an extent of 1.5163 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover 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 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.

*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.*

- 1. 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.*
- 2. 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.*
- 3. The garland drain and outflow channel should be provided with intermittent silt traps*
- 4. 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).*
- 5. The 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.*
- 6. 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.*
- 7. 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.*

8. *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.*
9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.18**

**Granite Building Stone Quarry Project of M/s K. Lekshmanan Infrastructure and Industries Pvt Ltd in Re-Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Private Land) and 222/13, 222/21, 222/23, 222/24 (Govt. Land) at Chadayamangalam Village, Kottarakkara Taluk, Kollam for an area of 0.9812 Ha (SIA/KL/MIN/154110/2020, 1730/EC2/2020/SEIAA)**

M/s K. Lekshmanan Infrastructure and Industries Pvt Ltd, Akkavila, Sreesarvana Nagar, Eravipuram, Kollam submitted an EC application via PARIVESH on 01.06.2020 for Granite Building Stone Quarry project in Re-Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Private Land) and 222/13, 222/21, 222/23, 222/24 (Govt. Land) at Chadayamangalam Village, Kottarakkara Talul, Kollam District for an extent of 1.5163 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.



On examination, the Authority noticed that even though the SEAC has estimated the project life of 3 years, the Proponent submitted the Mining Plan only for one year. Hence the Authority decided to direct the proponent to submit the approved Mining Plan with a mine life of 3 years.

**Item No.19**

**Application for Granite Building Stone Quarry of Mr. Sasidharan at Re-Sy Nos. 240/3, 244/11, 244/10, 244/9, 244/3, 244/3-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram District (SIA/KL/MIN/158328/2020, 1424/EC1/2019/SEIAA & SIA/KL/MIN/42932/2019, 1424/EC1/2019/SEIAA**

Sri. Sasidharan N., T.C 10/677, S. K Bhavan, Idayilakonam, Mannanthala P.O, Thiruvananthapuram submitted an application for EC via PARIVESH on 18.06.2020 for the Granite Building Stone Quarry at Re-Sy Nos. 240/3, 244/11, 244/10, 244/9, 244/3, 244/3-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. *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 day and included in the Half Yearly Compliance Report.*
4. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
5. *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).*
6. *An additional drain should be provided through the centre of the Quarry, preferably in between boundary stones No 1 & 2 for drainage of rainwater within the quarry.*
7. *The Action Plan for boulder management should be strictly followed for the removal of boulders present at the site.*
8. *Protection wall should be provided around the proposed OB dumpsite.*
9. *The approach road leading to the quarry should be widened before the commencement of quarrying.*
10. *Mining should be limited to the bench proposed from 80 to 75 m, for the protection of groundwater and avoiding water level reduction.*
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. *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.20.**                      **Granite Building Stone Quarry of Smt. E. M. Pathumbi in Block No. 04, Re-Sy Nos. 325/1, 327/5 at Pallassena Village, Chittur Taluk, Palakkad District, Kerala SIA/KL/MIN/159197/2020, 1324/EC2/2019/SEIAA & SIA/KL/MIN/34282/2019, 1324/EC2/2019/SEIAA (Conversion-ToR-EC)**

Smt. E. M. Pathumbi, Elavamkudi Mucheth House, Ponjassery P.O, Perumbavoor Ernakulam - 683 547 submitted an application for EC via PARIVESH for the Granite Building Stone Quarry in Block No. 04, Re-Sy Nos: 325/1, 327/5 at Pallassena Village, Chittur Taluk, Palakkad 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 2 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 Overburden dumping site should be shifted to the southwest part of the project area.*
- 4. Green belt development in the buffer should be done in the first year of the project itself by giving preference to indigenous plants and it should be nurtured and maintained in the subsequent year.*
- 5. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 6. 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).*
- 7. 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.*

8. *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.*
9. *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.*
10. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.21**

**Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 53/2 in Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9907 Ha by Sri. P. R. Vijayakumar SIA/KL/MIN/159524/2020, 1442/EC2/2019/SEIAA & SIA/KL/MIN/40579/2019 (ToR proposal)**

Sri. P. R. Vijayakumar, Pattath House, Amala Nagar P.O, Thrissur submitted an application in SEIAA through PARIVESH on 19.09.2019 for the Environmental Clearance of Granite Building Stone Quarry in Survey No.53/2 in Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9907 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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 10 km from the Protected Area, 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. 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.*
- 6. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 7. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*

8. *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.*
9. *The 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.*
10. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
11. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
12. *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).*
13. *The blasting shall be started only after removing the jointed rock blocks at the surface by using breakers, the jointed rocks must be split before removing.*
14. *The overburden should be stacked in Survey No.53/6 as proposed.*
15. *The width of the access road should be enhanced as per the affidavit submitted. The proponent should adhere to the plan for traffic management submitted in consultation with the adjacent proposed quarry of Shri. Joseph.*
16. *The proponent should follow the schedule of blasting to not to overlap with the blasting time of the adjacent quarry.*
17. *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.*

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

**Item No.22**

**Application for Environmental Clearance for the Granite Building Stone Quarry of M/s. Delta Aggregates & Sands Pvt. Ltd. over an extent of 3.7691 Ha in Re-Sy Nos. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala (SIA/KL/MIN/163854/2020, 1773/EC1/2020/SEIAA)**

Shri. Thomas Philip, Managing Director, M/s Delta Aggregates & Sand Pvt. Ltd., Chittar, Pathanamthitta – 689663 submitted an application in SEIAA via PARIVESH on 24.07.2020 for the Granite Building Stone Quarry in Re-Sy Nos. 889/1-15-1, 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala for over an extent of 3.7691 Ha.



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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 7 years, subject to certain Specific Conditions in addition to the General Conditions.

However, the Authority noted that the proposed project site is at a distance of 6.5km from the Periyar Tiger Reserve and the RDO, Thiruvalla vide letter dated 27.04.2022 reported that the proposed quarry site is nearer to Rajappara Reserve Forest and Sabarimala Buffer Zone. It is also informed that the area is rich in biodiversity and is ecologically fragile zone; quarrying in such area may adversely affect the environment. The Authority decided to defer the proposal in the light of the letter from the RDO, Thiruvalla and to reconsider the same in the next meeting of SEIAA for decision.

**Item No.23**                      **EC Application for the proposed Granite Building Stone of Sri. C. Krishna Pillai in Block No 27, Re-Sy Nos. 283/1pt, 283/2pt, 283/4, 296/3pt of Ezhumattoor Village, Mallapally Taluk Pathanamthitta District, Kerala SIA/KL/MIN/165625/2020, 1440/EC1/2019/SEIAA (Conversion ToR- EC)**

Sri. C. Krishna Pillai, Melathu Lakshmi Bhavan, Thazhakkara P.O, Alappuzha submitted an Environmental Clearance application via PARIVESH on 30/07/2020 for the proposed Granite Building Stone Quarry in Block No. 27, Re-Sy Nos. 283/1pt, 283/2pt, 283/4, 296/3pt of Ezhumattoor Village, Mallapally Taluk, Pathanamthitta 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 3 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. *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.*
4. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
5. *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).*
6. *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 day and included in the Half Yearly Compliance Report.*
7. *The Green belt development in the buffer should be done in the first year of the project itself with indigenous plants and it should be nurtured and maintained in subsequent years.*
8. *The small built structures within the distance of 50m from the project boundary should be demolished prior to commencement of mining.*
9. *The outflow channel should be connected to a natural drain which should be maintained properly to avoid runoff along the road during rains*
10. *The proponent should discharge the outflow from the quarry to the way-side public drain only after obtaining permission from the LSG.*
11. *The overburden dump should be located in the lower elevation area of the project site.*

12. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
15. 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 proposed Building Stone Quarry Project in Re-Sy Nos. 264/1, 295/6, 296/3, 296/4, 296/5, 297/1 of Vayakkara Village, Cherupuzha Taluk, Kannur District, Kerala by Sri. Sibish Augustine (SIA/KL/MIN/171276/2020) (1389/EC2/2019/SEIAA)**

Sri. Sibish Augustine, S/o Augustine, Kandathil House, Prapoyil P.O, Kannur, Kerala 670511 vide his application dated 04.09.2020 sought Environmental Clearance for the Building Stone Quarry Project in Re-Sy Nos. 264/1, 295/6, 296/3, 296/4, 296/5, 297/1 of Vayakkara Village, Cherupuzha Taluk, Kannur District, Kerala for an area of 1.0854 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover 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 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 development of the green belt should commence prior to the commencement of mining activity.*

4. *The garland drain and outflow channel should be provided with intermittent silt trap sand siltation pond and should be maintained periodically by removing the deposited silt and other obstructions, if any.*
5. *The pipe provided for the draining of excess water from the quarry pond should be cleaned periodically.*
6. *Mining should not be allowed below 75m above MSL, i.e., the lowest bench, 70m to 75m, should not be allowed to be mined.*
7. *Provide adequate protection for the storage area proposed for overburden and mine waste prior to the commencement of mining activity to prevent the erosion of soil storage*
8. *Monthly maintenance should be done to ensure the de siltation of the garland drain system and provide geo-tagged photos.*
9. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
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 government 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.*

## **PART – 3**

### **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**Item No:01**    **Environment Clearance for mining of Granite Building Stone Quarry of Sri. Biju Varghese over an extent of 3.6570 Ha in Block No. 27, Re-Sy Nos. 19/2, 19/6, 19/7, 20/1, 20/2, 20/3, 20/3-1, 20/3-2, 51/1, 51/2, 51/2-1, 51/2-2, 52/1, Ramapuram Village, Meenachil Taluk, Kottayam District, Kerala State, India (SIA/KL/MIN/125065/2019; 1496/EC2/2019/SEIAA)**

Shri. Biju Varghese, Punnathanam, Kottayam, Kerala 686002 submitted an application for Environment Clearance via PARIVESH on 13-11-2019 for the Granite Building Stone Quarry over an extent of 3.6570 Ha in Block No. 27, Re-Sy Nos. 19/2, 19/6, 19/7, 20/1, 20/2, 20/3, 20/3-1, 20/3-2, 51/1, 51/2, 51/2-1, 51/2-2, 52/1, Ramapuram Village, Meenachil Taluk, Kottayam District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, *to verify whether the Project Proponent has violated any 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. *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.*
4. *The drainage channel with silt traps and collection tank should be provided and maintained periodically to ensure uninterrupted drainage of overland flow.*
5. *The depth of water column of old quarry should be limited to 10 m and excess water should be channeled to nearby natural stream.*
6. *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 Government 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.*
7. *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.*

8. *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.*
9. *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 Granite Building Stone Quarry in Re-Sy Nos. 1417/1, 1417/10, 1417/11, 1417/12, 1417/13 & 1417/14 of Kodakara Village, Chalakudy Taluk, Thrissur District for an extent of 0.9700 Ha by Sri. Bethi Seshadri Reddy, Project Manager M/s KMC Constructions Ltd. - Judgment dated.18.11.2021 in WP(C) No.25368 of 2021 regarding distance criteria (SIA/KL/MIN/125685/2019 1520/EC2/2019/SEIAA)**

Sri. Bethi Seshadri Reddy, Project Manager, M/s. KMC constructions Ltd., Perambra, Thrissur submitted an application for Environmental Clearance in SEIAA through PARIVESH on 26.11.2019 for the Granite Building Stone Quarry in Re-Sy Nos. 1417/1, 1417/10, 1417/11, 1417/12, 1417/13 & 1417/14 of Kodakara Village, Chalakudy Taluk, Thrissur District., Kerala for an extent of 0.9700 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting

recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. The impact of vibration due to blasting should be monitored in terms of Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
- 5. As agreed in the Affidavit a bund should be constructed at a height of 3m on the front side of the quarrying face to prevent rolling / sliding down of rock blocks to the quarry pond.*
- 6. The green belt development should commence prior to the commencement of mining.*
- 7. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 government 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.*

8. *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.*
9. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
10. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.03**

**Environmental clearance for Granite Building Stone Quarry of Sri. Ziyad. A. L Re Survey No 468/4, 468/5, 468/7, 468/10, 468/12, 468/13, 472/1 in Kilimanoor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District (SIA/KL/MIN/125990/2019, 1519/EC1/2019/SEIAA)**

Sri. Ziyad A. L., Ziyad Manzil, Santhigiri P. O., Pothencode, Thiruvananthapuram submitted an application for Environmental Clearance via PARIVESH on 19.11.2019 for the Granite Building Stone Quarry in Re Survey No 468/4, 468/5, 468/7, 468/10, 468/12, 468/13, 472/1 in Kilimanoor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District, Kerala over an extent of 0.9162 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the

proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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 boulder management plan agreed should be implemented.*
- 4. The garland drain and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions, if any.*
- 5. Concrete border pillars should be erected instead of metallic poles.*
- 6. 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.*
- 7. The impact of vibration due to blasting should be monitored in terms of peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
- 8. The green belt development should commence prior to the commencement of mining.*
- 9. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No. 04**

**Environmental Clearance for the Building Stone Quarry of by Sri. Deepak N. D., M/s Quality Rocks in Re-Sy Nos. 26/2, 26/2, 26/2, 27/1, 27/3 at Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District, Kerala (SIA/KL/MIN/126088/2019, 1525/EC1/2019/SEIAA)**

Sri. Deepak N. D., Managing Partner, M/s Quality Rocks submitted an application for Environmental Clearance via PARIVESH on 04.12.2019 in Re-Sy Nos. 26/2, 26/2, 26/2, 27/1, 27/3 at Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District, Kerala for an area of 0.9990 Hectare.

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 I, Pre-Feasibility Report, additional details/documents obtained from the

proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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 shed adjacent to the quarrying area should be dismantled before the commencement of mining. An affidavit to the effect should be produced before the issuance of EC.*
- 4. The OB dumping site, which is located close to the valley, must be protected with a retaining wall to prevent any possible erosion/rolling down of debris to the adjacent valley.*
- 5. The valley sides must be reinforced by using geo- textiles and vetiver plant.*
- 6. The width of the access road should be increased to 7m.*
- 7. 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.*
- 8. The green belt development should commence prior to the commencement of mining.*
- 9. The drainage channel should be provided with intermittent silt traps and collection tank and maintained periodically by removing the deposited silt and obstructions, if any.*

10. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

**Item No: 05**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Stephen over an extent of 4.9003 Ha (12.1086 Acres) in Block No. 27 & 37, Re-Sy Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki District, Kerala (SIA/KL/MIN/126172/2019; 1527/EC1/2019/SEIAA)**

Sri. K. M. Stephen, Kaniyarkuzhiyil, Karimkunnamp.O, Idukki District, Kerala – 685586 submitted an application for Environmental Clearance via PARIVESH on 20/11/2019 for the Granite Building Stone Quarry over an extent of 4.9003 Ha (12.1086 Acres) in Block No. 27 and 37, Re-Sy Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1 of Karimannur Village, Thodupuzha Taluk, Idukki District, Kerala.

The Authority noted the action taken by SEAC in its 108<sup>th</sup>, 111<sup>th</sup>, 113<sup>th</sup>, 118<sup>th</sup>, 120<sup>th</sup>, 126<sup>th</sup> meetings of SEAC held on different dates. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting rejected the proposal stating that there are two built structures within the project area and there are other buildings near around 50m from the project area. Therefore, the project is not feasible as per norms.

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

<b><u>Item No.06</u></b>	<b>Environment Clearance for Granite Building Stone Quarry of Sri. Mathew Daniel over an extent of 02.28.51 Ha in S. F. Nos. 340/1-26/3, 340/1-28/2, 340/1-30/1, 340/1/26-2, 340/1/26-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta District (SIA/KL/MIN/127534/2019, 1554/EC1/2019/SEIAA)</b>
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Sri. Mathew Daniel, Mangalathu Padijatathil, Adoor, Peringanadu, Parakoottam, Pathanamthitta District submitted an application via PARIVESH on 10.12.2019 for the Granite Building Stone Quarry of Sri. Mathew Daniel over an extent of 02.28.51 Ha in S. F. Nos. 340/1-26/3, 340/1-28/2, 340/1-30/1, 340/1/26-2, 340/1/26-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.



The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any 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 proponent should submit an affidavit stating that (i) all pillars will be replaced with concrete pillars with geo - coordinates written on it, (ii) provide proper fencing along the boundary, (iii) width of the road will be widened to 8m, (iv) OB dumping site will be shifted to the lower level, between BP1 and BP2, outside boundary and (iv) compensatory afforestation with native species will be done, prior to the issuance of EC*
- 4. The CER proposal should be implemented during the first two years and it should be operated and maintained during the rest of the project period.*
- 5. The drainage channel should be provided with intermittent silt traps and settling tanks with overflow to a natural drain.*
- 6. The drainage channel, silt traps and settling tank should be desilted periodically to ensure unhindered overland flow.*
- 7. Quarrying operations should be limited 85m msl*

8. *The impact of vibration due to blasting should be monitored in terms of peak particle velocity and amplitude and incorporated in the HYCR.*
9. *The green belt development should commence prior to the commencement of mining activity.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
13. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.07 Environmental Clearance for Building Stone Quarry of Sri. Maneesh P Mohanan in Re-Sy Nos. 1110/1B-5, 1110/1B10, 225/1A/14Pt, 225/1A/14Pt, 225/1A/14Pt, 227/14 at Marady Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an extent of 0.9394 Ha (SIA/KL/MIN/127562/2019; 1522/EC3/2019/SEIAA)**

Sri. Maneesh P.Mohanan, Pulickamattathil, South Marady (P.O), Muvattupuzha Ernakulam District, Kerala submitted an Environmental Clearance application via PARIVESH on 27/11/2019 for the mining of Granite Building Stone Quarry in Re-Sy Nos 1110/1B-5, 1110/1B10, 225/1A/14Pt, 225/1A/14Pt, 225/1A/14Pt, 227/14, at Marady Village, Muvattupuzha Taluk, Ernakulam District for an extent of 0.9394 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. The 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. *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.*
6. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
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. *The mining should be restricted to 17m above MSL.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance*

*of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

**Item No.08**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. P. C. James in Re-Sy Nos. 382/1, 383/1, 383/1, 383/1 at Varappetty Village, Kothamangalam Taluk, Ernakulam District for an area of 0.9958 Ha (SIA/KL/MIN/127997/2019; 1559/EC3/2019/SEIAA)**

Sri. P.C. James, Pittappillil House, Eranalloor (P.O.), Varappetty, Ernakulam submitted an application for Environmental Clearance via PARIVESH on 28/11/2019 for the Granite Building Stone Quarry in Re-Sy Nos. 382/1, 383/1, 383/1, 383/1 at Varappetty Village, Kothamangalam Taluk, Ernakulam District over an extent of 0.9958 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. *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.*
4. *The boundary of the old quarry should be protected with proper fencing before the commencement of the mining activity.*
5. *Temporary sand washing arrangements in the adjacent plot may be shifted to a suitable place at a safe distance. The geo-coordinates of the place should be provided along with HYCR.*
6. *The buffer should not overlap with the road to the site.*
7. *Compensatory afforestation should be done with fruit trees and the geo-coordinates of the place with photographs should be provided along with HYCR.*
8. *Mining should be recommended after the completion of the mine closure plan of the old quarry owned by the proponent.*
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 30<sup>th</sup> 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
13. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.09    Environmental Clearance for Granite Building Stone Quarry of Sri. N. J James, Managing Partner, M/s, Neerakkal Granites in Re-Sy No. 74/2 at Elanji Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.7028 Ha (SIA/KL/ MIN/128945/2019; 1534/EC3/2019/SEIAA)**

Sri. N.J James, Managing Partner, M/s, Neerakkal Granites submitted an application for Environmental Clearance via PARIVESH on 03/12/2019 for the Granite Building Stone Quarry in Re-Sy Nos. 74/2 at Elanji Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.7028Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. 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.*
- 5. The 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.*
- 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. Access road is narrow, so medium type vehicles should be used for the transportation of mined material.*
- 9. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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. District Collector. 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. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 12. 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 Granite Building Stone Quarry of Sri. Sabu Varghese, Managing Partner, M/s St. Kuriakose Granites in Block No. 41, Re-Sy Nos. 298/4, 298/18, at Thiruvaniyoor Village, Kunnathunadu Taluk, Ernakulam District, Kerala for an area of 0.9587 Ha (SIA/KL/MIN/129061/2019; 1531/EC3/2019/SEIAA)**

Sri. Sabu Varghese, Managing Partner, St. Kuriakose Granites, MP/XII/457, Mangalathunada P.O, North Mazhuvannoor, Ernakulam submitted an application for Environmental Clearance via PARIVESH on 03/12/2019 for the Granite Building Stone

Quarry in Block No.41, Re-Sy Nos. 298/4, 298/18 at Thiruvaniyoor Village, Kunnathunadu Taluk, Ernakulam District, Kerala for an area of 0.9587 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. The water column of the pit should be restricted to 5m. The proponent should provide suitable measures to maintain the same and report it in the HYCR.*
- 5. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided in the HYCR.*
- 6. Mining should be regulated above the local ground water table.*
- 7. 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. Garland drain should be provided all around the project area with intermittent silt*

*traps, siltation ponds and outflow channel connecting natural drain.*

- 9. 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).*
- 10. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.11**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Benny Joseph, M/s Nilamboor Sand and Metals Pvt. Ltd. in Block No. 1, Re-Sy Nos. 1/161-2, 1/161-4, 1/161, 1/182-4, 1/45, 1/181-4 at Pullippadam Village, Nilambur Taluk, Malappuram District, Kerala for an area of 2.4109 Ha (SIA/KL/MIN/129374/2019, 1540/EC3/2019/ SEIAA)**

Sri. Benny Joseph, Managing Director, M/s. Nilamboor Sand & Metals Pvt. Ltd, Vendekkumpoil, Edivanna P.O, Malappuram submitted an application in SEIAA for Environmental Clearance through PARIVESH on 04.12.2019 for the Granite Building Stone Quarry in Block 1, Re-Sy Nos. 1/161-2, 1/161-4, 1/161, 1/182-4, 1/45, 1/181-4 at Pullippadam Village, Nilambur Taluk, Malappuram District for an area of 2.4109 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority verified the item with the decisions of various SEAC meetings and the FIR of the Sub-Committee. Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any 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 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. OB dumping site is situated very close to the settling tank on the North West boundary. A retaining wall should be constructed to prevent any possible erosion /rolling down of debris to the settling tank.*
- 5. The valley slope along the eastern boundary should be reinforced by planting appropriate species of trees.*
- 6. 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.*
- 7. 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. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 9. The garland drain along with silt traps, siltation ponds and outflow channel should be de silted periodically to avoid obstruction of overland flow and geo tagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 10. Soil protection/conservation measures to be taken in the slope region.*
- 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. 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.12. Granite Building Stone Quarry of Sri. Muhammed Hashim over an extent of 1.7488 Ha in Block No. 10, Re-Sy Nos. 22/2-2pt & 22/3pt at Pazhavangadi Village, Ranni Taluk, Pathanamthitta District, Kerala (SIA/KL/MIN/129508/2019 1528/EC1/2019/SEIAA)**

Sri. Muhammed Hashim, Puthuparampil House, Pathanadu PO, Kangazha, Kottayam submitted an application for Environmental Clearance via PARIVESH on 04.12.2019 for the Granite Building Stone Quarry in Block No.10, Re-Sy Nos. 22/2-2pt & 22/3pt at Pazhavangadi Village, Ranni Taluk, Pathanamthitta District, Kerala for an area of 1.7488 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 7 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 7 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 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. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
- 4. Overburden dump locality should be shifted to a lower and flat terrain as per the plan submitted.*
- 5. 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.*

6. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
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. *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.*
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. *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.*



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

**Item No.13**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Mujeeb Rahman Kurikkal, M/s Manjeri City Infrastructures and Developers LLP in Sy No. 397 at Elankur Village, Ernad Taluk, Malappuram District, Kerala for an area of 3.2636 Ha (SIA/KL/MIN/129623/ 2019, 1537/EC3/2019/SEIAA)**

Sri. Mujeeb Rahman Kurikkal, M/s Manjeri City Infrastructures and Developers LLP, Cherukulam, Ernad Knowledge City, Elamkur (P.O) Manjeri, Malappuram District submitted an application in SEIAA for Environmental Clearance through PARIVESH on 05.12.2019 for the Granite Building Stone Quarry in Sy No. 397 at Elankur Village, Ernad Taluk, Malappuram District, Kerala for an area of 3.2636 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover 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 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. *Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
4. *OB dumping location should be shifted to lower level flat terrain, outside boundary with proper protection.*
5. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
6. *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).*
7. *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*
8. *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.*

9. *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.*
10. *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.*
11. *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 Granite Building Stone Quarry of Sri. A.M. Chackochan, M/s Aishwarya Granites in Re-Sy No. 117/6 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.7800 Ha (SIA/KL/MIN/129673/2019, 1545/EC2/2019/SEIAA)**

Sri. A. M. Chackochan, Managing Partner, Aishwarya Granites, Arkkannoor P.O, Elavinmoodu, Ayoor, Kollam – 691 533 submitted an application on 07.12.2019 for Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 117/6 of Elamadu Village, Kottarakkara Taluk, Kollam District, Kerala for an area of 0.78 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 4 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. 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.*
- 4. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 5. 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).*
- 6. The 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. Proper and sufficient buffer have to be maintained in strict compliance of the approved mining plan.*
- 8. 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.*

- 9. 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.*
- 10. 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.*
- 11. 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. K. K. Premkumar at Re-Sy Nos. 1/100, 1 & 9, Tholambra Village, Thalassery Taluk, Kannur District, Kerala (SIA/KL/MIN/43053/2019; 1498/EC3/2019/SEIAA)**

Sri. K. K. Premkumar, Kolanthra House, Melmuringodi P.O, Manathana, Kannur submitted an application for Environmental Clearance in PARIVESH on 21.11.2019 for the Granite Building Stone Quarry project in Re-Sy No. 1/100, 1 & 9 at Tholambra Village, Thalassery Taluk, Kannur District for an area of 1.4621 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due

appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 8 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 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 garland canal should be provided with intermittent silt traps and siltation pond and it should be connected to a natural drain.*
- 4. The drainage channel should be maintained periodically by desilting the channel, silt traps and siltation pond to preventing any obstructions to overland flow.*
- 5. The blasting in the mine should not be done when the crushes is in operation, which is located at a distance of 85m from the project site.*
- 6. The traffic plan should be adhered to strictly.*
- 7. Transportation of the mined material should not be done during the peak hours of forenoon and afternoon.*

8. *The green-belt development should initiate before the commencement of quarry operations*
9. *High volume discharge of water from the abandoned quarry, nearby, should be prevented.*
10. *There should be close monitoring of the overland flow through the natural drain as well as overflow from the abandoned quarry pit to ensure that the discharge of water from the site and its watershed is within the carrying capacity of the natural drain.*
11. . *The Project Proponent shall take immediate measures to close all the abandoned quarries mined by him in the Project site as per the final closure plans in the approved mining plans within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarries have 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 and District Geologist shall jointly verify the mine closure status. The EC given now is liable to be cancelled if the Project Proponent does not attend the mine closure activities as directed.*
12. *The boundary of the abandoned quarry should be protected appropriately and entry prevented without permission to avoid any accident.*
13. *The CER should be implemented during the first two years and operated and maintained during the subsequent years*
14. *The tree saplings for planting should be certified by a competent tree specialist or ecologist for their ecological characteristics and natural distribution.*
15. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
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.16**

**Environment Clearance for the Granite Building Stone Quarry of Sri. Sudheesh A.T for an area of 0.9246 Ha (2.2846Acres) in Re-Sy No. 115/13 at Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala (SIA/KL/MIN/43590/2019, 1476/EC2/2019/SEIAA)**

Sri. Sudheesh A.T., Adakkathothahil House, Kumbleri P.O., Wayanad 673591 submitted an application for Environmental Clearance on 07.11.2019 for the Granite Building Stone Quarry project in Re-Sy No. 115/13 in Padichira Village, Sulthan Bathery Taluk, Wayanad 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover 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 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 10km from Nagarhole National Park and Tiger Reserve and Bandipur Tiger Reserve, 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 transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
6. *Sprinkling of water should be done on the un-surfaced road before each movement of truck.*
7. *The green-belt development should initiate before the commencement of quarry operations. Preference for the planting should be given to endemic trees and fruit bearing native trees.*
8. *An additional buffer of 7.5m should be provided at the boundary earmarked by BP1 and BP8 adjacent to the flood plain.*
9. *The mining will lead to a quarry pond which will have a maximum depth of 20m on completion of mining. To reduce the thickness of water column, the mining of the bottom-most bench should be avoided to reduce the water column by 5m. The quarry pond should be safeguarded with strong fencing or boundary wall to prevent any accidents.*
10. *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.*
11. *The impact of vibration due to blasting should be monitored in terms of peak particle velocity and amplitude and the details should be included in the HYCR.*
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 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. A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Wayanad and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
- 17. 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 Building Stone Quarry of Sri. Sanju P. K. in Block No. 29, Re-Sy No. 286/1, 286/2, 286/2-2 at Mazhuvannoor Village, Kunnathunad Taluk, Ernakulam District, Kerala for an area of 0.9554 Ha (SIA/KL/ MIN/43709/2019; 1469/EC3/2019/SEIAA)**

Sri. Sanju P.K, Pandirikkottil House, North Mazhuvannoor P.O, Ernakulam District submitted an application for Environmental Clearance via PARIVESH on 28/10/2019 for the Building Stone Quarry project in Block No. 29, Re-Sy Nos. 286/1, 286/2, 286/2-2 at Mazhuvannoor Village, Kunnathunad Taluk, Ernakulam District, Kerala for an area of 0.9554 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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 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. The EC given now is liable to be cancelled if the Project Proponent does not attend the mine closure activities as directed.*

- 4. Boundary of the old quarry owned by the proponent should be protected with proper fencing before starting the mining activity.*
- 5. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 6. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 7. The 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. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 9. 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).*
- 10. 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.*
- 11. 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.*
- 12. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
- 13. Blasting should be regulated considering the time of blasting of the adjacent quarry.*
- 14. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the project proponent 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 District Collector. 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

**Item No.18**

**Environment Clearance for the Granite Building Stone Quarry of M/s. New Mary Matha Metal Crusher Unit for an area of 1.2488 Ha in Block. No. 41, Re-Sy Nos. 224/2, 228/1 & 228/5, Kooroppada Village, Kottayam Taluk, Kottayam District, Kerala (SIA/KL/MIN/43829/2019; 1475/EC2/2019/SEIAA)**

Sri. K.J. Thomas, Managing Partner, M/s. New Mary Matha Metal Crusher submitted an application for Environmental Clearance via PARIVESH on 04/11/2019 for the Granite Building Stone Quarry for an area of 1.2488 Ha in Block No. 41, Re-Sy Nos. 224/2, 228/1 & 228/5, Kooroppada Village, Kottayam Taluk, Kottayam 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover 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 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 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. The EC given now is liable to be cancelled if the Project Proponent does not attend the mine closure activities as directed.*
- 4. 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.*

- 5. The impact of vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
- 6. The top soil dump should be relocated in a lower contour.*
- 7. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo-tagged photos shall be submitted in HYCR.*
- 8. The garland drain and the outflow channel should be provided with intermittent silt traps and siltation pond and it should maintained periodically by removing silt deposited in it.*
- 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. 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.*

*12. 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 Building Stone Quarry project of Sri. K. Gangadharan in Survey 52/2B2 of Kolavallur Village, Thalassery Taluk, Kannur District, Kerala (SIA/KL/MIN/43996/2019, 1487/EC3/2019/SEIAA)**

Sri. K. Gangadharan, K.K.G House, Kooteripoil, Muthiyanga P.O, Kannur, Kerala 670693 submitted an application for Environmental Clearance via PARIVESH on 06.11.2019 for the Building Stone Quarry project in Survey 57/2B2 of Kolavallur Village, Thalassery Taluk, Kannur District, Kerala for an area of 1.5110 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 11 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 11 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any 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. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 5. The abandoned quarry pond on the NW side of the proposed site may be used for harvesting water for meeting part of the water requirement during the operational phase of the quarry. However 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.*
- 6. The mined material should not be transported during the peak hours in the forenoon and afternoon.*
- 7. Garland drain should be enlarged to carry the entire overland flow of the adjacent sloppy region of the quarry.*
- 8. The garland drain and outflow channel should be provided with intermittent silt traps and siltation pond and it should be de silted periodically.*
- 9. The development of the green belt should be commenced before the commencement of mining activity*
- 10. The blasting should not be conducted when the crusher located nearby is in operation.*

11. *Green belt development is to be done with native tree species. Exotic tree species should not be used in greenbelt.*
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. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
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 Granite Building Stone Quarry of M/s. Thomson Aggregates for an area of 4.9346 Ha (12.1933 Acres) in Block No. 19, Re-Sy Nos. 156/2, 156/3, 156/6, 157/1, 157/1-1, 157/1-2, 157/2, 157/3, 157/4, 157/4-1, 157/5, 157/6, 157/7, 157/10, 157/12, 157/13, 159/4, 159/5, 165/1, 165/7, 165/8 & 165/10 at Manimala Village, Kanjirappally Taluk, Kottayam District, Kerala (SIA/KL/MIN/44123/2019; 1495/EC2/2019/SEIAA)**

Sri. K.V. Abraham, M/s Thomson Aggregates submitted an application for Environmental Clearance via PARIVESH on 23/11/2019 for the Granite Building Stone Quarry for an area of 4.9346 Ha (12.1933 Acres) in Block No.19, Re-Sy Nos. 156/2, 156/3, 156/6, 157/1, 157/1-1, 157/1-2, 157/2, 157/3, 157/4, 157/4-1, 157/5, 157/6, 157/7, 157/10, 157/12, 157/13, 159/4, 159/5, 165/1, 165/7, 165/8 & 165/10 at Manimala Village, Kanjirappally Taluk, Kottayam 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 8 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any 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 topsoil extracted during mining should be used only for afforestation.*
- 4. The Green belt development in the buffer should be done in the first year and commenced prior to the mining activity and it should be nurtured and maintained in subsequent years.*
- 5. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 6. 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).*
- 7. 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.*
- 8. 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.*
- 9. Mining should be restricted to above the groundwater table.*
- 10. Slope stabilization measures as per the slope stabilization study should be adopted strictly.*
- 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. 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.21**

**Environmental Clearance for the Granite Building Stone Quarry project of Sri. Sebastian K.J. in Re-Sy No. 56/1 (p), Oorakam Village, Thirurangadi Taluk, Malappuram District, Kerala for an area of 0.8758 Ha (SIA/KL/MIN/44831/2019, 1488/EC3/2019/SEIAA**

Sri. Sebastian K. J., S/o James, Kandathinkara House, Karekkad, Oorakam Melmuri P. O., Malappuram District, Kerala - 676 519 submitted an application for Environmental

Clearance in SEIAA through PARIVESH on 12.11.2019 for the Granite Building Stone Quarry in Re-Sy No. 56/1 (p), Oorakam Village, Thirurangadi Taluk, Malappuram District, Kerala for an area of 0.8758 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. 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.*
- 4. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 5. Garland drain and connected out flow channel should be maintained in such way that it will not cause any damage to a nearby house.*
- 6. The garland drain along with silt traps, siltation ponds and outflow channel should be de silted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*

7. *The seasonal stream should be allowed to flow freely. Protect either side of the stream with bio-fencing without reducing the cross-sectional area.*
8. *The stream is allowed to flow through a concrete pipe below the road and at the confluence point where the garland drain meets, a settling tank with 8 m diameter and 1.5 m depth should be constructed.*
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. *The Overburden dumpsite should be relocated to a lower elevation.*
11. *The approach road must be properly maintained by periodic tarring.*
12. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and*



*restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*15. 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. Cherian K Jose in Re-Sy No. 891/1A/38, 891/1A/82 & 891/1A/100, Kadavoor Village, Kothamangalam Taluk, Ernakulam District for an area of 0.9845 Ha (SIA/KL/MIN/44866/2019, 1505/EC3/2019/SEIAA)**

Sri. Cherian K Jose, Kizhakkeparampil (H), Thruvampady (P.O.), Kottayam District, Kerala-686612 submitted an application for Environmental Clearance via PARIVESH on 30/11/2019 for the Granite Building Stone Quarry in Re-Sy Nos. 891/1A/38, 891/1A/82 & 891/1A/100, Kadavoor Village, Kothamangalam Taluk, Ernakulam district for an area of 0.9845 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for 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 a project life of 3 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. 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.*
- 4. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 5. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geo-tagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 6. 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.*
- 7. The Green belt development in the buffer should commence prior to the commencement of mining in the first year of the project and it should be nurtured and maintained in subsequent years.*
- 8. Compensatory afforestation should be done with fruit trees of indigenous species and the geo-coordinates of the place with photographs should be provided along with HYCR.*
- 9. The road should be widened as per the affidavit submitted.*
- 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. District Collector. 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.23**

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Reji Joseph at Re-Sy Nos. 268/8-1, 268/8-2, 268/6, 268/6-1, 269/1, 269/1-2, 269/1-3, 260/1, 260/1-1, 260/1-2 at Kangazha Village, Changanassery Taluk, Kottayam District (SIA/KL/MIN/46090/2019, 1491/EC2/2019/SEIAA)**

Sri. Reji Joseph, Narikkattu House, Chamampathal P.O., Vazhoor, Kottayam District, Kerala 686517 submitted an application for Environmental Clearance via PARIVESH on 08/11/2019 for the Granite Building Stone Quarry Project in Re-Sy Nos. 268/8-1, 268/8-2, 268/6, 268/6-1, 269/1, 269/1-2, 269/1-3, 260/1, 260/1-1, 260/1-2 at Kanagazha Village, Changanassery Taluk, Kottayam District for an area of 2.0567 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover 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 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. 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.*
- 4. The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
- 5. The garland drain and outflow channel should be provided with intermittent silt traps and should be maintained periodically by removing the silt deposited and the obstructions, if any.*
- 6. 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.*

- 7. 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.*
- 8. 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.*
- 9. 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 Building Stone Quarry of Sri. Sabu Cheriyan in Re-Sy Nos. 185/3/2, 186/1/8 of Maneed Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.9384 Ha (SIA/KL/MIN/46189/2019; 1523/EC3/2019/SEIAA)**

Sri. Sabu Cheriyan, Managing Partner, M/s Marymatha Granites, Maneed P.O, Ernakulam District, Kerala-686661 submitted an application for Environmental Clearance through PARIVESH for the Building Stone Quarry in Re-Sy Nos. 185/3/2,186/1/8 of Maneed Village, Muvattupuzha Taluk, Ernakulam District for an area of 0.9384 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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 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.*
- 4. Compensatory afforestation should be done on the south side of the proposed site on the land owned by the proponent as agreed and provide the geo-coordinates of the area with photographs along with HYCR.*
- 5. Green belt to be developed on the northern side between BP4 and BP6 in the first year itself.*
- 6. The proponent should ensure that the road to the proposed site does not pass through the buffer area.*
- 7. Proper fencing should be done in the boundary with the adjoining old quarry pit and around the old quarry pit.*
- 8. 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.*

9. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
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.25**

**Environmental Clearance for the Building Stone Quarry Project of Sri. Sajith Lal M in Re-Sy Nos. 10/2, 97/4, 97/6, 97/7 of Kalpetta**

**Village, Vythiri Taluk, Wayanad District, Kerala for an area of  
0.9915 Ha (SIA/KL/MIN/76720/2018, 1490 /EC2/2019/SEIAA)**

Sri. Sajith Lal M, Malil House, Muttill North, Maniyangode PO., Wayanad- 673122 vide his application dated 22.12.2018 has sought Environmental Clearance for the Building Stone Quarry Project in Re-Sy Nos. 10/2, 97/4, 97/6, 97/7 of Kalpetta Village, Vythiri Taluk, Wayanad District, Kerala for an area of 0.9915 Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 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 a project life of 5 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. A retaining wall should be provided on all the three sides of the dumping site to a height of 2.5-3m.*
- 4. The garland drain and outflow channel should be provided with intermittent silt traps and siltation pond and should be maintained periodically by removing the deposited silt and other obstructions, if any.*
- 5. The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*



6. *Sprinkling of water should be done on the un-surfaced road prior to each movement of truck.*
7. *The green-belt development should initiate prior to the commencement of mining. As the area is in a fairly good rainfall zone, the species selected for green belting should be tall evergreen trees. Species of Vateria, Hopea, Artocarpus and Elaeocarpus are recommended.*
8. *The quarry pond should be safeguarded with strong fencing or boundary wall to prevent any accidents.*
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. *Vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
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. 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.*

## **PART – 4**

### **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**Item No.1**                      **Environmental Clearance for the Granite Building Stone Quarry of Sri. M. D. Sreenivasan for an area of 2.9111 Ha in Re-Sy Nos. 196/1 pt & 212/1 pt of Valakom Village, Kottarakkara Taluk, Kollam District, Kerala (SIA/KL/MIN/34484/2019 1452/EC2/2019/SEIAA)**

Sri. M D Sreenivasan, Building No – I A, Sheeba Housing Society, Bhaupatil Road, Bopodi, Pune City, Pune, Maharashtra – 411020 submitted an application for Environmental Clearance through PARIVESH on 09.04.2019 for the Granite Building Stone Quarry in Sy Nos. 196/1 pt & 212/1 pt of Valakom Village, Kottarakkara Taluk, Kollam 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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 8 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 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. *Compensatory afforestation should be done with fruit trees of indigenous species and the geocoordinates of the place with photographs should be provided along with Half Yearly Compliance Report (HYCR).*
4. *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.*
5. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain. An additional clarifiers should also be provided.*
6. *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 HYCR.*
7. *Topsoil dumpsite should be shifted to the lower elevation.*
8. *The proponent should adhere to the boulder removal plan as submitted.*
9. *The greenbelt development should be done from the first year prior to the commencement of mining.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the project Proponent 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 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable 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.02**

**Environmental Clearance for the Building Stone Quarry Project of M/s Vengunadu Granite and Sands Pvt. Ltd. in Block No. 22, Re-Sy Nos. 238/1, 238/2, 239/1, 239/2, 239/5, 239/6, 239/7, Muthalamada I Village, Chittur Taluk, Palakkad (SIA/KL/MIN/39461/2019, 1546/EC1/2019/SEIAA)**

The Authority heard the Proponent on 01<sup>st</sup> June 2022 and gave him an opportunity of submitting a hearing note within 7 days. Authority decided to post the case back to SEAC along with the hearing note for examination of all issues raised by Project proponent. The Project Proponent is directed to present his case before SEAC with all required documentary evidences to prove that the proposed project site does not fall under the purview of existing notifications issued by MoEF & CC on ESA.

**Item No.03****Environmental Clearance for Expansion of Masonry Stone Mine Project of M/s H & P Granites for an area of 9.0681 Ha at Kummil Village, Kottarakkara Taluk, Kollam District, Kerala (SIA/KL/MIN/44927/2019, 1210(A)/EC2/2019/SEIAA)**

Sri. Harish G. Nair, Managing Partner, M/s H & P Granites, 6/530, Kondody, Kummil P.O., Kottarakkara Taluk, Kollam District, Kerala-691536 submitted an Environmental Clearance application for the expansion of Granite Building Stone Quarry in Block No.50, Re-Sy Nos. 462/01, 462/01-2, 462/02, 465/01, 465/04, 465/04-2, 465/05, 481/01-2, 481/01-1, 482/02, 482/02-2, 482/02-3, 482/04, 482/05, 482/06, 483/03, 483/04 (Patta Land), 464, 465/03, 465/08, 482/01, 482/03 (Govt. Land), Kummil Village, Kottarakkara Taluk, Kollam District, Kerala for an area of 9.0681 Ha (Private own land = 6.5441 Ha + Government land with NOC from District Collector = 2.5240 Ha).

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 I, Pre-Feasibility Report, EIA Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126<sup>th</sup> meeting recommend to issue EC for 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority noticed that the Project Proponent has submitted an application for the expansion of their mining project. Part of the proposed quarry has already obtained an EC from SEIAA, Kerala in 2017 and has validity till 2023 (after Covid 19 relaxation). As per the Field Inspection Report, the life of mine is 22 years. SEAC has recommended the EC for five years only without giving specific recommendation on Project life. Authority decided to refer proposal back to SEAC for fresh recommendation on Project life of the expansion project after considering the existing EC and mined out mineral till date.

Authority noticed that there is working quarry of 15 Ha area (Vismaya Rocks) within 100 Mts from the proposed expansion project. This may lead to a cluster situation. SEAC may kindly re look into this aspect also.

Further as it is an expansion project, SEAC shall also ensure that the Project Proponent produces CCR as per circular dated 30.5.2012 of MoEF&CC.

## **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

### **(Extension/amendment/Corrigendum)**

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

**Environmental Clearance for the Extension of Removal of Ordinary Earth in Re-Sy Nos. 26/9-1, 26/9-2, 26/9-3 of Pooyapally Village, Kottarakkara Taluk, Kollam District, Kerala. (SIA/KL/MIN/159433/2020, 2051/A12019/ SEIAA)**

Smt. Oseela Beevi, Thachantazhikath, Mylappur, Umayannur Industrial Estate P.O, Kollam Kerala 691589 submitted an application on 21.06.2020 for the extension of Environmental Clearance for the removal of ordinary earth in Re-Sy Nos. 26/9-1, 26/9-2, 26/9-3 at Pooyapally Village, Kottarakkara Taluk, Kollam District, Kerala. The original EC was issued on 26.09.2019 for 6 months and valid up to 25.03.2020.

The Authority noted that the proposal was placed in the 127<sup>th</sup> meeting of the SEAC and the Committee examined the documents submitted by the proponent and decided to recommend the extension of EC for 6 months from the date of issuance of permit from Mining & Geology. The proponent should follow the Specific and General Conditions stipulated as part of the original EC.

**The Authority decided to extend the validity period of Environmental Clearance for six months from the date of receipt of permit from the Mining & Geology Department subject to the condition stipulated in the original EC.**

#### **Item No.02**

**Application for Extension of EC for the Granite Building Stone Quarry Project of Sri. Hisham E. C in Re-Sy No. 6/1 (p), Vettilappara Village, Urangattiri Grama Panchayat, Ernad Taluk, Malappuram District, Kerala for an area of 4.8542 Ha (SIA/KL/MIN/165541/2020, 856/SEIAA/EC1/2980/2015)**

Environmental Clearance was issued by SEIAA vide order no. 856/SEIAA/EC1/2980/ 2015 dated 01.06.2016 to the Granite Building Stone Quarry Project of Sri. Hisham E. C, in Re-Sy No. 6/1 (p), Vettilappara Village, Urangattiri Grama Panchayat, Eranad Taluk, Malappuram District, Kerala for an area of 4.8542 Ha. The validity of the EC expires on 31.05.2022 (after Covid 19 relaxation). The Proponent submitted an application in PARIVESH on 21.09.2020 for the extension of EC already issued.

The Authority verified the item with the decisions of various SEAC meetings and noted that as per the Field Inspection Report, compliance with EC Conditions was satisfactory. After the due appraisal of FIR and all the additional documents submitted by the proponent, the SEAC in its 127<sup>th</sup> meeting recommended the extension of the validity of EC for a period of 5 years subject to certain Specific Condition in addition to the General Condition.

**The Authority decided to extend the validity of EC for a period of 5 years subject to the Terms and Conditions in the original EC in addition to the following Specific Conditions.**

- a. 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.
- b. 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.
- c. 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).
- d. The Green belt development in the buffer should be strengthened by giving preference indigenous plants and it should be nurtured and maintained strictly.
- e. The soil dump should be provided with proper gabion wall to avoid soil erosion.
- f. Compensatory afforestation should be done without further delay and the coordinates of the area should be provided along with HYCR.



- g. The existing and the proposed overburden dumping site should be stabilized with appropriate vegetative measures.

## **CONSIDERATION OF TOR PROPOSALS**

**Item No.01**                      **ToR Application of Sri. Johnson George for the proposed Granite Building Stone Quarry Project in Un-Survey (Field No. 2159, 2160, 2162 Not Final) in Koodaranji Village, Thamarassery Taluk, Kozhikode District, Kerala. (SIA/KL/MIN/60375/2021; 1884/EC4/2021/SEIAA)**

Sri. Johnson George, Edapatte House, Koodaranji P.O, Kozhikode 673604 vide his application dated 30.01.2021 sought ToR for the Building Stone Quarry Project in Un-Survey (Field No. 2159, 2160, 2162 Not Final) Koodaranji Village, Thamarassery Taluk, Kozhikode, District, Kerala for an area of 5.2794 Ha.

The Authority noted that SEAC in its 126<sup>th</sup> meeting decided to approve Standard Terms of Reference with certain additional study.

**The Authority decided to approve the Standard Terms of Reference with the following additional study:**

- 1. Land stability study with special focus on the landslide proneness of the area.**
- 2. Impact of any interventions in the area including the previous mining activity.**

**Item No.02**                      **ToR Application of Sri. M.R. Dinil for the proposed Ahalia Hospital at Elippara, Palakkad in Re-Sy Nos. 108/1, 110/1, 110/2, 111/1, Vadakarapathy Village, Chittur Taluk, Palakkad. (SIA/KL/MIS/72912/2022; 1939/EC1/2022/SEIAA)**

Sri. M. R. Dinil, Trustee, Ahalia International Foundation submitted an application for the approval of ToR via PARIVESH on 09.02.2022 for the proposed Ahalia Hospital at

Elippara, Palakkad in Re Sy Nos. 108/1, 110/1, 110/2, 111/1, Vadakarapathy Village, Chittur Taluk, Palakkad.

Authority noted that SEAC in its 126<sup>th</sup> meeting decided to approve the Standard Terms of Reference with certain additional study.

**The Authority decided to approve the Standard Terms of Reference with the following additional study:**

- 1. Assessment of surface and ground water availability and its sustainable management aspects.**

**Item No.03**

**ToR Application for the proposed Granite Building Stone Quarry of Sri. Sudheesh A. T. in Re-Sy Nos. 55/2, 55/3, 55/4 of Irulam Village, Sulthan Bathery Taluk, Wayanad District, Kerala for an area of 2.4973 Ha (SIA/KL/MIN/39592/2019, 1412/EC2/2019/SEIAA)**

The Authority observed two applications of Sri. Sudheesh A.T. were considered in the 126<sup>th</sup> SEAC meeting for the appraisal. The first proposal (Proposal No. SIA/KL/MIN/43590/2019; File No. 1476/EC2/2019/SEIAA) was considered as Part 1 Item 17 under Consideration / Re-Consideration of Environmental Clearance, for the Granite Building Stone Quarry in Re-Sy No. 115/13 Padichira Village, Sulthan Bathery Taluk, Wayanad. The second proposal (Proposal No. SIA/KL/MIN/39592/2019 and File No. 1412/EC2/2019/ SEIAA) was considered as Part 10 Item 11 under Consideration of ToR Proposals. However, from the 126<sup>th</sup> SEAC meeting agenda and the minutes, it seems that the title and decisions of the first proposal (Proposal No. SIA/KL/MIN/43590/2019; File No. 1476/EC2/2019/SEIAA) were duplicated in both places and SEAC has appraised only the first proposal of Sri. Sudheesh A.T. for the Granite Building Stone Quarry in Re-Sy no. 115/13, Padichira Village.

In this context, the Authority decided to return the proposal to SEAC for a fresh appraisal and recommendations.

**Item No.04**                      Environmental Clearance for the Granite Building Stone Quarry of Sri. P. R. Vijayakumar in Re-Sy No. 53/2, Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9907 Ha (SIA/KL/MIN/159524/2020,                      1442/EC2/2019/SEIAA                      & SIA/KL/MIN/40579/2019)

**Decision taken in the EC Proposal, Part 2, Item No.21**

**Item No.5**                      Environmental Clearance for the Granite Building Stone Quarry of Sri. K. I Joseph in Re-Sy No. 53/2 in Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9910 Ha SIA/KL/MIN/205474/2021, 1444/EC2/2019/SEIAA (EC Proposal); SIA/KL/MIN/41118/2019, 1444/EC2/2019/SEIAA (ToR Proposal)

**Decision taken in the EC Proposal, Part 1, Item No.9**

**Item No.06**                      Environmental Clearance for the Building Stone Quarry Project of Sri. Sibish Augustine in Re-Sy Nos. 264/1, 295/6, 296/3, 296/4, 296/5, 297/1, Vayakkara Village, Cherupuzha Taluk, Kannur District, Kerala (SIA/KL/MIN/171276/2020) (1389/EC2/2019/SEIAA)

**Decision taken in the EC Proposal, Part 2, Item No.24**

**Item.No.07**                      Application for Granite Building Stone Quarry of Sri. Sasidharan at Re-Sy Nos. 240/3, 244/11, 244/10, 244/9, 244/3, 244/3-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala (SIA/KL/MIN/158328/2020, 1424/EC1/2019/SEIAA SIA/KL/MIN/42932/2019, 1424/EC1/2019/SEIAA)

**Decision taken in the EC Proposal, Part 2, Item No.19**

**Item No.08**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Ramankutty in Re-Sy Nos. 587/1, 586 in Painkulam Village, Thalappilly Taluk, Thrissur District for an area of 0.8132 Ha SIA/KL/MIN/172168/2020, 1815/EC6/2020/SEIAA (EC Proposal) SIA/KL/MIN/44581/2019, 1463/EC2/2019/SEIAA (ToR Proposal)**

**Decision taken in the EC Proposal, Part 1, Item No.7**

**Item No.09**

**ToR Application for the Proposed Outer Ring Road (Northern Ring (Navaikulam - Thekkada), Thiruvananthapuram SIA/KL/NCP/68856/2021, 1933/EC1/2022/SEIAA**

Sri. Anand Singh, IAS, Special Officer, Capital Region Development Project submitted an application for ToR for the proposed Outer Ring Road (Northern Ring (Navaikulam - Thekkada), Thiruvananthapuram via PARIVESH on 01.11.2021. CRDP is an innovative initiative of Government of Kerala to systematically undertake planning and development of adequate urban infrastructure in and around the capital city of Thiruvananthapuram. As a part of road improvement GoK, under CRDP proposes to develop the northern ring of the Outer Area Growth Corridor (OAGC) project. GoK proposes to develop 29.800 km long 4 lane (expandable up to 6-lane) highway. The Panchayats through which the proposed corridor passes are: 1. Navayikulam 2. Karavaram 3. Nagaroor 4. Kilimanoor 5. Pulimathu 6. Vamanapuram 7. Pullampara 8. Manikkal 9. Vembayam.

The proposal was considered by the 126<sup>th</sup> SEAC meeting held on 11<sup>th</sup> to 13<sup>th</sup> April, 2022. The Committee examined the application for ToR and discussed the proposal. The Committee decided to approve Standard Terms of Reference.

**Authority agreed to the recommendation of SEAC and decided to approve the Standard Terms of Reference for the EIA study.**

**Item No.10**

**ToR Application for the Granite Building Stone Quarry of Sri. Rajeevan P.V. in Re-Sy No. 5 in Thimiri Village, Thaliparamba Taluk, Kannur District Kerala (SIA/KL/MIN/173261/2020, 1431/EC3/SEIAA/2019)**

Sri. Rajeevan P. V., S/o Kunhiraman, Puthiya Veetil House, Kooveri P.O, Kannur-670581 submitted an application for ToR in SEIAA through PARIVESH for the proposed Granite Building Stone Quarry Project in Re-Sy No. 5 at Thimiri Village, Thaliparamba Taluk, Kannur District of Kerala for an area of 0.9936 Ha.

Authority noticed 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 Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

However, the Authority observed that the appraisal and recommendation of EC by SEAC were completed in the ToR application and the Proponent has not been submitted the EC application in PARIVESH. Hence Authority decided to direct the Proponent to apply for Environmental Clearance through PARIVESH with all necessary documents and SEAC to consider the project on priority in the next meeting itself.

**Item No.11**                      **ToR Application for the China Clay (Minor Mineral) Mining Project of M/s EICL Limited in Re-Sy Nos. 177, 178, 179, 180, 241, 242, 181/21, 181/10, 182/3, 4, 5, 6, 10, 11, 12, 17, 183, 184, 240/2, 12, 13, 14, 229/14-1 (existing mine lease area of 14.5129 Ha) and Re-Sy Nos. 196/7, 10-5, 10, 10-2, 10-3, 245/1, 1-2, 1-3, 2, 3, 4, 5, 6, 16, 17 (proposed mine lease area of 1.0910 Ha) in Veiloor Village, Thiruvananthapuram Taluk, Thiruvananthapuram District SIA/KL/MIN/67030/2021, 1926/EC1/2021/SEIAA**

Sri. N. Manoj Pillai, Dy. General Manager (Mines), M/s EICL Limited, Thonnakkal P.O., Thiruvananthapuram-695317, submitted an application for ToR via PARIVESH for the China Clay (Minor Mineral) Mining Project in Re-Sy Nos. 177, 178, 179, 180, 241, 242, 181/21, 181/10, 182/3, 4, 5, 6, 10, 11, 12, 17, 183, 184, 240/2, 12, 13, 14, 229/14-1 (existing mine lease area of 14.5129 Ha) and Re-Sy Nos. 196/7, 10-5, 10, 10-2, 10-3, 245/1, 1-2, 1-3, 2, 3, 4, 5, 6, 16, 17 (proposed mine lease area of 1.0910 Ha) in Veiloor Village, Thiruvananthapuram Taluk, Thiruvananthapuram District for an area of 15.6039 Ha.

The Authority noted that the SEAC in its 126<sup>th</sup> meeting approved the Standard Terms of Reference with certain additional study. The Authority also noted that, the SEIAA Kerala in its 88<sup>th</sup> meeting held on 25.01.2019 has rejected the proposal of M/s EICL Limited for clay mining in Re-Sy Nos. 177, 178, 179, 180, 241, 242, 181/21, 181/10, 182/3, 4, 5, 6, 10, 11, 12, 17, 183, 184, 240/2, 12, 13, 14, 229/14-1 and the rejection proceedings was issued vide letter dated 20.04.2019 quoting reasons for rejection. In addition, there are pending Writ Petitions in Hon'ble High Courts, proceedings of Supreme Court and in NGT. All these court proceedings are related to irregularities committed by project proponent in violation of EIA notification 2006.

Authority decided to request the SEAC to examine all pending proceedings in different courts of law and rejection order issued by SEIAA carefully and clarify the circumstances under which TOR was recommended to a project, which was once rejected by SEIAA and cases are still pending in various courts of law, relating to irregularities committed by Project Proponent in violation of EIA notification 2006.

**Item No.12**                      **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Muhammed Saleem V. in Re-Sy Nos. 321/1-1 of Kulukkallur Village, Pattambi Taluk, Palakkad District, Kerala (Conversion ToR to EC) SIA/KL/MIN/169720/2020 1433/EC1/2019/SEIAA & SIA/KL/MIN/41954/2019, 1433/EC1/2019/SEIAA**

**Decision taken in the EC Proposal, Part 1, Item No.6**

**Item No.13**                      **Environmental Clearance for the Granite Building Stone Quarry of Sri. Shabeer Ali in Re-Sy No. 383/1, 385 in Panthallloor Village, Ernad Taluk, Malappuram District for an area of 1.8112 Ha SIA/KL/MIN/158794/2020,1835/EC6/2020/SEIAA (EC Proposal) SIA/KL/MIN/35208/2019,1346/EC2/2019/SEIAA(ToR Proposal)**

**Decision taken in the EC Proposal, Part 1, Item No.4**

**Item No.14**                      **ToR Application for the Granite Building Stone Quarry Project of Sri. P. P. Shamsuddeen in Block No. 65, Sy No. 1, Udayagiri Village, Taliparamaba Taluk, Kannur District, Kerala (1905/EC4/2021/SEIAA)**

Sri. P. P. Shamsuddeen, Managing Partner & Authorized Signatory, M/s Ceekey Sons Crushers, Zuhara Manzil, Kuttikol P.O, Kannur - 670562 submitted an application for ToR in SEIAA through PARIVESH on 30.03.2021 for the proposed Granite Building Stone Quarry project in Block No.65, Sy No. 1 at Udayagiri Village, Taliparamba Taluk, Kannur District, Kerala, for an area of 4.5622 Ha.

The Authority noted that the proposal was placed in the 127<sup>th</sup> SEAC meeting held on 28<sup>th</sup> - 30<sup>th</sup> April 2022. The Committee examined the documents submitted for the approval of ToR and decided to approve Standard TOR with certain additional aspect for the study.

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

- a) The land stability study of the proposed area is to be included in the EIA report.**

**Item No.15**                      **Granite Building Stone Quarry of Smt. E. M. Pathumbi in Block No-04, Re-Sy Nos. 325/1, 327/5, in Pallassena Village, Chittur Taluk, Palakkad District, Kerala SIA/KL/MIN/159197/2020, 1324/EC2/2019/SEIAA; SIA/KL/MIN/34282/2019, 1324/EC2/2019/SEIAA (Conversion: ToR - EC)**

**Decision taken in the EC Proposal, Part 2, Item No.20**

**Item No.16**                      **ToR Application for the Granite Building Stone Quarry Project of Sri. Sajeev Kumar E., M/s Thrikkur Granites in Sy No. 66 at Thrikkur Village, Mukundapuram Taluk, Thrissur District, Kerala for an area of 0.9447 Ha (SIA/KL/MIN/57329/2020, 1947/EC6/2022/SEIAA)**

Sri. Sajeev Kumar E., Managing Partner, M/s. Thrikkur Granites, Meluveetil House, Thrikkur P.O. submitted an application in SEIAA through PARIVESH on 23.03.2022 for the

approval of Terms of Reference for the Granite Building Stone Quarry Project in Sy No. 66 at Thrikkur Village, Mukundapuram Taluk, Thrissur, Kerala for an area of 0.9447 Ha.

The Authority noted that the proposal was placed in the 127<sup>th</sup> meeting of SEAC held on 28<sup>th</sup> to 30<sup>th</sup> April 2022 and decided to approve standard TOR with certain additional aspects for study.

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

- a. Cumulative impact of the adjoining working quarry.**
- b. All abandoned quarry pits adjacent to the project area.**



## **PART – 5**

### **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**Item No.01**                      **Environmental Clearance for the Building Stone Quarry of Sri. Nitheesh Babu B.S in Block No. 29, Re-Sy Nos. 119/1, 119/2, 120/1, 120/2, 120/3, 120/11, 120/12 of Manickal Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala for an area of 1.3552 Ha - Judgment dated 12.11.2021 in WP(C) 25028/2021 SIA/KL/MIN/137456/2020, 1607/EC1/2020/SEIAA**

Sri. Nitheesh Babu B.S, Vilayil veedu, Kuthirakulam, Pirappancode P.O Nedumangad, Thiruvananthapuram - 695607 submitted an application in SEIAA via PARIVESH on 18.01.2020 for the proposed Building Stone Quarry Project in Block No. 29, Re-Sy Nos. 119/1, 119/2, 120/1, 120/2, 120/3, 120/11, 120/12 of Manickal Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala for an area of 1.3552Ha.

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 I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127<sup>th</sup> meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

**Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover 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 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. *Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with Half Yearly Compliance Report (HYCR).*
4. *The traffic plan submitted by the proponent should be adhered to strictly.*
5. *Location of OB dumpsite should be protected with proper concrete wall protection to avoid spilling over to the panchayat road.*
6. *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 HYCR.*
7. *The green belt development in the buffer should be done in the first year of the project itself by giving preference to local plants and it should be nurtured and maintained in subsequent years.*
8. *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.*
9. *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 HYCR.*
10. *Considering the nearness to built structure, blasting should be regulated with drill holes of 32 mm diameter and 1.5 m depth keeping burden of 1m and spacing of 1.5m.*
11. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER ) the project Proponent 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. Institution. 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. 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 Honourable 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 HYCR 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.*

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

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

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

## **Annexure**

### **Note on O. M. dated 12.4.2022 issued by MoEE& CC relating to issues linked to Project life, life of Mine and validity period of EC.**

#### **Mine Life:**

Mining Plan is prepared for a particular project area considering mineral availability and economic feasibility of extracting/mining the material complying to mine safety rules. After estimating total mineral that can be extracted (mineable reserve) mine life is calculated depending on proposed production per year. If the project proponent is capable of investing more funds and if the mine area provides adequate operational space, larger quantity of mineral can be extracted per year. Further, mining plan is approved for five-year period by the Mining & Geology department. After five year period Mining & Geology department approves scheme of mining for every five year period. Depending on the production plan, mine life may differ in each scheme of mining.

#### **Project Life:**

**As per SO 1533 ( E ) dated 14-09-2006 of MoEF&CC “The prior environmental clearance granted for a project or activity shall be valid for project life as estimated by Expert Appraisal Committee or State level Expert Appraisal Committee subject to a maximum of thirty years for mining projects”.**

**This stands amended as per SO ( E ) dated 12-04-2022 of MoEF&CC as “The prior Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier”**

Mine life in the approved mining plan is computed merely considering total mineable reserve and production plan and it set the production goals. However, productivity is restricted by location, operational efficiency, cost, safety and environmental aspects. Mining

needs to be regulated considering the short-term and long-term impacts of a mine on various environmental aspects such as terrain slope, land stability, water regime of the area, drainage requirements, groundwater table, flora and fauna, biodiversity, socio-economic aspects, accidents and disaster potentials etc. There are requirements of complying with environmental regulations and environmental responsibilities for minimizing environmental implications due to a mining activity. These aspects vary from place to place. Therefore, mining has to be assessed from an environmental point of view. Accordingly, the environmental safeguards will have to be incorporated into the mining plan which may restrict the process and period of mining. Thus, irrespective of the life of mine, the operation of a mining project may be restricted considering physical, ecological and social environmental aspects and this period is estimated as Project Life. A Project Life may be equal to or less than a Life of Mine.

### **Significance of Environmental Clearance:**

The occurrence of different types of minerals varies in size and nature. The state of environment of the domains of mineral occurrences are also different. The areal and depth extent of some of the mines like coal mines are very high. Most of such mines are located in uninhabited areas and therefore, maximum mine life is estimated as 30 years considering such extensive mine areas in India, as a general case. In Kerala, the mining is mainly for extraction of building materials such as hard rocks or laterite though there are mining for beach sands and clays etc. at specified locations. The areal extent of most of the mines in Kerala for extraction of laterite and hard rocks is less than 1 Ha with population, vegetation and built structures all around. Kerala has a highly undulating terrain with distinct altitudinal variations, vivacious hydrology, vibrant climate, distinct soil domain and multitudes of lively micro-ecosystems. The state of environment of Kerala is fragile with high population density, thereby the environmental carrying capacity of the state is low. Therefore, environmental safeguards and their strict compliances are unavoidable for any development activities in Kerala from the sustainability point of view, particularly mining sort of basically destructive processes. Hence, clearance from the environmental point of view and strict monitoring of environmental compliance is extremely important in the context of Kerala. So shorter environmental clearance period and periodic review for further extension/revalidation is absolutely necessary to safeguard /protect the environment and livelihood of Kerala.

### **Significance of Project Life of Mining:**

The foregoing discussion indicates the importance of incorporating specific environmental restricts, regulations and responsibilities to a mining project in Kerala and it necessitates fixing of a particular period of operation considering the mineable reserve, production plan and environmental restricts specific to the site. Thus giving clearance for a specific Project Life other than the Life of Mine is important in the mining projects. This could be done only after examining the project from an environmental impact point of view by a team of experts consisting of earth scientists, biologists, environmental scientists and engineers, socio economic experts, legal and administrative specialists etc. This is done through the Environmental Appraisal Committees formed through the EIA Notification at the National and State level who appraises each project considering regional and local environmental characteristics and impact of various types of activities involved in mining on various environmental aspects which restrict the life of mine. Hence the significance of Project Life, that is the Mining Period considering all the environmental sustainability aspects. While approving mining plan by the Mining & Geology department environmental aspects and impact on groundwater regime are not considered. Even though mineable reserve is available, certain restrictions are to be imposed on quantity of mineral to be mined to protect local groundwater system and to avoid /reduce landslide vulnerability. This process will alter the mine life/project life approved by the Mining & Geology Department. So merely following the mine life/project life approved by the Mining & Geology department will seriously affect appraisal process of SEAC adversely.

### **Why EC is issued for five year period:**

As per the EIA Notification, EC can be issued for a maximum period of 30 Years subjected to environmental restrictions. Hence a project life is estimated considering various environmental implications and accordingly period of EC varies depending on the Project Life estimated. However, in Kerala, it was made a practice to issue EC for 5 Years for quarrying/mining projects as is done in the case Mine Plan which is approved for 5 years. This is to ensure that the projects are evaluated in detail periodically at an interval of 5 years, considering the severity of environmental fragility of Kerala as well as the fact that the quarrying projects are located mostly in vulnerable landforms.

Unlike in north India mineable mineral reserves are available only in small pockets in Kerala. Further Kerala is a densely populated state and there are habitations everywhere including proposed project areas. There will be minor natural drainage systems along the undulating terrain and any mineral extraction will likely to affect natural drainage and groundwater regime of the area. Usage of explosives may affect local environment and people. Reasonable restriction on validity period of environmental clearance is essential for ensuring compliance of EC conditions.

Even if prior EC is issued for entire project period, there must be an effective control mechanism to monitor the compliance of EC conditions periodically and SEIAA must be allowed to cancel/suspend EC depending on nature of non compliance of EC conditions.

In more than 90 % of revalidation cases SEAC had observed serious negligence on the part of project proponents in complying EC conditions. Revalidation/ Extension beyond five years only after SEAC appraisal and necessary corrections will ensure compliance of EC conditions and protection of local environment.